



#13

# Sequence Listing

<110> Kumar Verma, Sunil  
Singh, Lalji

<120> UNIVERSAL PRIMERS FOR WILDLIFE IDENTIFICATION

<130> U-013365-9

<140> 09/821782

<141> 2001-03-29

<160> 255

<210> 1

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer "mcb 398" for amplifying fragment of cytochrome b gene  
of animal species

<400> 1

taccatgagg acaaatatcta ttctg

25

<210> 2

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer "mcb 869" for amplifying fragment of cytochrome b gene  
of animal species

<400> 2

cctcctagtt tgtagggat tgatcg

26

<210> 3

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> primer "AFF" for amplifying fragment of cytochrome b gene of animal species

<400> 3

ctagtagaat gaatctgagg agg

23

<210> 4

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> primer "AFR" for amplifying fragment of cytochrome b gene of animal species

<400> 4

tatgcaaata ggaagtatca ttc

23

<210> 5

<211> 328

<212> DNA

<213> adil.flesh

<220>

<223> DNA sequence generated from the confiscated skin of unknown animal origin using primers mcb398 and mcb869

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acaggatcta	acaaccctc	aggaatagta	tccgactcag	acaaaattcc	attccacca	180

tactacacaa tcaaagatat cctgggcctt ctagtactaa tcctagcact catactactc	240
gtcctattct caccagacct gttaggagac cccgataact acatccctgc caaccctcta	300
aatacccctc cccatatcaa gcctgaat	328

<210> 6

<211> 328

<212> DNA

<213> bh225t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 1 using primers mcb398 and mcb869

<400> 6

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acaggatcta acaaccctc aggaatagta tctgactcag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact catactactc	240
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcgcgaat	328

<210> 7

<211> 328

<212> DNA

<213> bh226t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 2 using primers mcb398 and mcb869

<400> 7

tgaatctgag gaggtttctc agtagacaaa gccaccctga cacgattctt tgccttccac	60
ttcatccttc catttatcat ctcagcccta gcagcagtc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact catactactc	240
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta	300
aacaccctc cccatatcaa gcgcgaat	328

<210> 8

<211> 328

<212> DNA

<213> bhz30t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 3 using primers mcb398 and mcb869

<400> 8

tgaatctgag	gaggcttctc	agtagacaaa	gccaccctga	cacgattctt	tgccttccac	60
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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaacca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caacccteta	300
aacaccctc	cccatatcaa	gcgcgaat				328

<210> 9

<211> 328

<212> DNA

<213> bhz45t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 4 using primers mcb398 and mcb869

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaacca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caacccteta	300
aacaccctc	cccatatcaa	gcgcgaat				328

<210> 10

<211> 328

<212> DNA

<213> bhz56t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*)

animal number 5 using primers mcb398 and mcb869

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caaccctcta	300
aacaccctc	cccatatcaa	gcgcgaat				328

<210> 11

<211> 328

<212> DNA

<213> bhz63t

<220>

<223> DNA sequence generated from the known tiger (*Panthera tigris tigris*) animal number 6 using primers mcb398 and mcb869

<400> 11

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acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caaccctcta	300
aacaccctc	cccatatcaa	gcgcgaat				328

<210> 12

<211> 328

<212> DNA

<213> bhz20wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris tigris*) animal number 1 using primers mcb398 and mcb869

<400> 12

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ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctatt	cctccatgag	120
acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240

gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta	300
aacacccctc cccatatcaa gcgcgaat	328

<210> 13

<211> 328

<212> DNA

<213> bhz22wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris* tigris) animal number 2 using primers mcb398 and mcb869

<400> 13

tgaatctgag gaggccttctc agtagacaaa gccaccctga caccgattctt tgccttccac	60
ttcatccttc catttatcat ctcagcccta gcagcagtc acctcctatt cctccatgag	120
acaggatcta acaacccctc aggaatagta tctgactcag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc	240
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta	300
aacacccctc cccatatcaa gcgcgaat	328

<210> 14

<211> 328

<212> DNA

<213> bhz23wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris* tigris) animal number 3 using primers mcb398 and mcb869

<400> 14

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ttcatccttc catttatcat ctcagcccta gcagcagtc acctcctatt cctccatgag	120
acaggatcta acaacccctc aggaatagta tctgactcag acaaaatccc gttccaccca	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaacact catactactc	240
gtcctattct caccagacct attaggggac cccgataact acatccccgc caaccctcta	300
aacacccctc cccatatcaa gcgcgaat	328

<210> 15

<211> 328

<212> DNA

<213> bh28wt

<220>

<223> DNA sequence generated from the known white tiger (*Panthera tigris tigris*) animal number 4 using primers mcb398 and mcb869

<400> 15

tgaatctgag	gaggcttctc	agtagacaaa	gccaccctga	cacgattctt	tgccttccac	60
ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctatt	cctccatgag	120
acaggatcta	acaaccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaact	catactactc	240
gtcctattct	caccagacct	attaggggac	cccgataact	acatccccgc	caaccctcta	300
aacaccctc	cccatatcaa	gcgcgaat				328

<210> 16

<211> 328

<212> DNA

<213> gz1L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 1 using primers mcb398 and mcb869

<400> 16

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ttcatccttc	catttatcat	ctcagctcta	gcagcagtc	acctcctatt	ccttcacgag	120
acaggatcta	acaaccctc	aggaatagta	tccgactcag	acaaaattcc	attccaccca	180
tactacacaa	tcaaagatat	cctgggcctt	ctagtactaa	tcctagcact	catactactc	240
gtcctattct	caccagacct	gttaggagac	cccgataact	acatccctgc	caaccctcta	300
aataccctc	cccatatcaa	gcctgaat				328

<210> 17

<211> 328

<212> DNA

<213> gz2L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 2 using primers mcb398 and mcb869

<400> 17

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ttcatccttc	catttatcat	ctcagctcta	gcagcagtc	acctcctatt	ccttcacgag	120
acaggatcta	acaacccctc	aggaatagta	tctgactcag	acaaaattcc	attccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcttagcact	catactactc	240
gtcctattct	caccagacct	gttgggagac	cccgataact	acatccccgc	caaccctcta	300
aataccccctc	cccatatcaa	gcctgaat				328

<210> 18

<211> 328

<212> DNA

<213> gz3L

<220>

<223> DNA sequence generated from the known leopard (*Panthera pardus*) animal number 3 using primers mcb398 and mcb869

<400> 18

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acaggatcta	acaacccctc	aggaatagta	tctgactcag	acaaaattcc	attccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcttagcact	catactactc	240
gtcctattct	caccagacct	gttgggagac	cccgataact	acatccccgc	caaccctcta	300
aataccccctc	cccatatcaa	gcctgaat				328

<210> 19

<211> 328

<212> DNA

<213> gz21CL

<220>

<223> DNA sequence generated from the known clouded leopard (*Neofelis nebulosa*) animal number 1 using primers mcb398 and mcb869

<400> 19

tgaatctgag	gaggcttctc	agtagacaaa	gccaccctga	cacgattttt	cgccttccac	60
ttcatccttc	catttatcat	ctcagcctta	gcagcagtc	accttctatt	tctccatgaa	120
aaggatcca	ataacccctc	aggaatggta	tccgattcag	acaaaatccc	gttccacccg	180
tactatacaa	tcaaagatat	cctaggcctc	ctagttctaa	ttctagcgct	cacactactt	240
gttctattct	ccccagacct	actaggagac	cctgacaatt	acactccccg	caacccteta	300
aataccccctc	cccatatcaa	gcctgaat				328



<210> 20

<211> 328

<212> DNA

<213> gz22CL

<220>

<223> DNA sequence generated from the known clouded leopard (*Neofelis nebulosa*) animal number 2 using primers mcb398 and mcb869

<400> 20

tgaatctgag gaggtttctc agtagacaaa gccaccctga cacgattttt cgccttccac	60
ttcatcctcc catttatcat ctcagcctta gcagcagttc accttctatt tctccatgaa	120
aaggatcca ataaccctc aggaatggta tccgattcag acaaaatccc gttccaccgc	180
tactatacaa tcaaagatat cctaggcctc ctagttctaa ttctagecgt cacactactt	240
gttctattct cccagacct actaggagac cctgacaatt acactcccgc caaccctcta	300
aataccctc cccatatcaa gcctgaat	328

<210> 21

<211> 328

<212> DNA

<213> darz14SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 1 using primers mcb398 and mcb869

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ttcatccttc catttatcat ctcagcctta gcagcagttc acctcctatt cctccatgag	120
acaggatcta acaaccctc aggaatagta tctgactcag acaaaatccc gttccaccga	180
tactacacaa tcaaagacat cctgggcctt ctagtactaa tcctaact catactactc	240
gtcctattct caccagacct attaggggac gccgataact acatcccgc caaccctcta	300
aacaccctc cccatatcaa gcccgat	328

<210> 22

<211> 328

<212> DNA

<213> darz15SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 2 using primers mcb398 and mcb869

<400> 22

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ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctatt	cctccatgag	120
acaggatcta	acaacccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	gccgataact	acatccccgc	caaccctcta	300
aacacccctc	cccatatcaa	gcccgaat				328

<210> 23

<211> 328

<212> DNA

<213> darz16SL

<220>

<223> DNA sequence generated from the known snow leopard (*Panthera unica*) animal number 3 using primers mcb398 and mcb869

<400> 23

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ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctatt	cctccatgag	120
acaggatcta	acaacccctc	aggaatagta	tctgactcag	acaaaatccc	gttccaccca	180
tactacacaa	tcaaagacat	cctgggcctt	ctagtactaa	tcctaacact	catactactc	240
gtcctattct	caccagacct	attaggggac	gccgataact	acatccccgc	caaccctcta	300
aacacccctc	cccatatcaa	gcccgaat				328

<210> 24

<211> 328

<212> DNA

<213> sbz22AL

<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 1 using primers mcb398 and mcb869

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ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctggt	cctccatgaa	120
acaggatcta	ataacccctc	aggaatggta	tctgactcag	ataaaaattcc	attccatcca	180
tactatacaa	tcaaagatat	cctaggcctt	ctagtactaa	tcttaacact	catactactc	240
gtcctattct	caccagacct	attaggagat	cccgacaact	atacccccgc	caatcctcta	300
agcaccctc	cccatatcaa	acctgaat				328

<210> 25

<211> 328

<212> DNA

<213> sbz38AL

<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 2 using primers mcb398 and mcb869

<400> 25

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ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctggt	cctccatgaa	120
acaggatcta	ataacccctc	aggaatggta	tctgactcag	ataaaaattcc	attccatcca	180
tactatacaa	tcaaagatat	cctaggcctt	ctagtactaa	tcttaacact	catactactc	240
gtcctattct	caccagacct	attaggagat	cccgacaact	atacccccgc	caatcctcta	300
agcaccctc	cccatatcaa	acctgaat				328

<210> 26

<211> 328

<212> DNA

<213> sbz39AL

<220>

<223> DNA sequence generated from the known asiatic lion (*Panthera leo persica*) animal number 3 using primers mcb398 and mcb869

<400> 26

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ttcatccttc	catttatcat	ctcagcccta	gcagcagtc	acctcctggt	cctccatgaa	120
acaggatcta	ataacccctc	aggaatggta	tctgactcag	ataaaaattcc	attccatcca	180
tactatacaa	tcaaagatat	cctaggcctt	ctagtactaa	tcttaacact	catactactc	240
gtcctattct	caccagacct	attaggagat	cccgacaact	atacccccgc	caatcctcta	300
agcaccctc	cccatatcaa	acctgaat				328

<210> 27

<211> 328

<212> DNA

<213> humsk

<220>

<223> DNA sequence generated from the known human (*Homo sapiens sapiens*) using primers mcb398 and mcb869

<400> 27

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ttcatcttgc	ccttcattat	tgcagcccta	gcagcactcc	acctcctatt	cttgcaacgaa	120
acgggatcaa	acaacccccct	aggaatcacc	tcccatctcg	ataaaatcat	cttccaccct	180
tactacacaa	tcaaagacgc	cctcggttta	cttctcttcc	ttctctcctt	aatgacatta	240
acactattct	caccagacct	cctaggcgac	ccagacaatt	ataccctagc	caacccctta	300
aacacccctc	cccacatcaa	gcccgaat				328

<210> 28

<211> 328

<212> DNA

<213> chimss

<220>

<223> DNA sequence generated from the known chimpanzee (*pan troglodytes*) animal using primers mcb398 and mcb869

<400> 28

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tttatcttac	ccttcattat	cacagcccta	acaacacttc	atctcctatt	cttacacgaa	120
acaggatcaa	ataacccccct	gggaatcacc	tcccactccg	acaaaattac	cttccacccc	180
tactacacaa	tcaaagatat	ccttgggtta	ttccttttcc	tccttatact	aatgacatta	240
acactattct	caccagacct	cctgggggat	ccagacaact	ataccctagc	taacccctta	300
aacacccccac	cccacattaa	acccgaat				328

<210> 29

<211> 472

<212> DNA

<213> *Cervus nippon centralis*

<400> 29

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ttccatatat	tggcacaaac	ctagtcgaat	ggatctgagg	gggtttctca	gtagataaag	120
caaccctaac	ccgatttttc	gctttccact	ttattcttcc	atztatcatc	gcagcacttg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatcctt	actacaccat	taaagatatc	ttaggcatct	300
tacttctagt	actcttccta	atattactag	tattattcgc	accagacctg	cttggagatc	360
cagacaacta	taccccagca	aatccactca	acacaccccc	tcacatcaaa	cctgaatgat	420
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<210> 30

<211> 472

<212> DNA

<213> Cervus nippon yesoensis

<400> 30

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ttccatatat	tggcacaaac	ctagtcgaat	ggatctgagg	gggtttctca	gtagataaag	120
caaccctaac	ccgatttttc	gctttccact	ttattcttcc	atztatcatc	gcagcacttg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatcctt	actacaccat	taaagatatc	ttaggcatct	300
tacttctagt	actcttccta	atattactag	tattattcgc	accagacctg	cttggagatc	360
cagacaacta	taccccagca	aatccactca	acacaccccc	tcacatcaaa	cctgaatgat	420
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<210> 31

<211> 472

<212> DNA

<213> Cervus nippon keramae

<400> 31

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caaccctaac	ccgatttttc	gccttccact	ttattcttcc	atttatcatc	acagcactcg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatcctt	actataccat	taaagatatc	ctaggcatct	300
tacttctagt	actcttctcg	atattactag	tattattcgc	accagacctg	cttgagatc	360
cagacaacta	cacccagca	aatccgctca	acacaccccc	tcacatcaaa	cctgaatgat	420
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<210> 32

<211> 472

<212> DNA

<213> Cervus nippon pulchellus

<400> 32

taccatgagg	acaaatatca	ttctgaggag	caacagtcac	taccaacctt	ctctcagcaa	60
ttccatacat	tggcacaaac	ctagtctgaat	ggatctgagg	aggcttttca	gtagataaag	120
caaccctaac	ccgatttttc	gccttccact	ttattcttcc	atttatcatc	acagcactcg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240
cggacgcaga	caaaatcccc	ttccatcctt	actataccat	taaagatatc	ctaggcatct	300
tacttctagt	actcttctcg	atattactag	tattattcgc	accagacctg	cttgagatc	360
cagacaacta	cacccagca	aatccgctca	acacaccccc	tcacatcaaa	cctgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 33

<211> 472

<212> DNA

<213> Cervus nippon nippon

<400> 33

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ttccatacat	tggcacaaac	ctagtctgaat	ggatctgagg	aggcttttca	gtagataaag	120
caaccctaac	ccgatttttc	gccttccact	ttattcttcc	atttatcatc	acagcactcg	180
ctatagtaca	cttactcttc	cttcacgaga	caggatccaa	caacccaaca	ggaatcccat	240

cggaacgcaga	caaaatcccc	ttccatcctt	actataccat	taaagatatc	ctaggcatct	300
tacttctagt	actcttcttg	atattactag	tattattcgc	accagacctg	cttggagatc	360
cagacaacta	caccccagca	aatccgctca	acacaccccc	tcacatcaaa	cctgaatgat	420
atttcttatt	tgcatacgca	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 34

<211> 472

<212> DNA

<213> Cervus elaphus scoticus

<400> 34

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ttccatatat	tgggacaaac	ctagtctgaat	ggatctgagg	aggcttttca	gtagacaaaag	120
caaccctaac	ccgatttttc	gctttccact	ttattctccc	atttatcatc	gcagcactcg	180
ctatagtaca	cttactcttc	cttcacgaaa	caggatctaa	taaccaaca	ggaattccat	240
cagacgcaga	caaaatcccc	tttcatcctt	attataccat	taaagatatc	ttaggcacat	300
tacttcttgt	actcttctta	atattactag	tattattcgc	accagacctc	cttggagatc	360
cagataacta	caccccagca	aaccactca	acacaccccc	tcatattaaa	cctgaatgat	420
atttcttatt	tgcatacgca	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 35

<211> 472

<212> DNA

<213> Cervus dama

<400> 35

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caaccttaac	tcgattcttc	gctttccact	ttattctacc	attcatcatt	gcggcacttg	180
ctatagtaca	tttactcttt	cttcacgaga	caggatccaa	taaccaaca	ggaatcccat	240
cagatgtaga	taaaattccc	tttcatccct	actacaccat	taaagatatt	ttaggcacat	300
tatttcttatt	tctcttctta	ataacactag	tactatttgc	accagacttg	cttggagacc	360
cagacaaata	cactccagca	aatccactca	acacacctcc	tcatattaaa	cccgaatgat	420
acttcttatt	tgcatacgca	atcctacgat	caattcccaa	taaattagga	gg	472

<210> 36

<211> 472

<212> DNA

<213> Rangifer tarandus

<400> 36

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ttccatatat	tggtacaaat	ctagtcgaat	gaatttgagg	aggattttct	gtagataaag	120
caaccctaac	ccgatttttt	gcttttcaact	ttattcttcc	atttattatc	gcagcactcg	180
ctatagtcca	tttgcttttc	cttcacgaaa	caggggtctaa	caatccaaca	ggaattccat	240
cagactcaga	taaaattcca	ttccatccct	attatactat	caaagacatt	ctaggcatcc	300
tactcctaata	tctcttcctt	atactactag	tattatttgc	accagactta	ctaggagacc	360
cagacaacta	taccccagca	aaccactca	acactcccc	tcatattaaa	cctgaatgat	420
actttctatt	cgcatacgca	atcctacgat	caattccaaa	taaactagga	gg	472

<210> 37

<211> 472

<212> DNA

<213> Moschus fuscus

<400> 37

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ttccatacat	tggtactaat	ctgggttgaat	gaatttgagg	aggcttctca	gtagacaaag	120
caacactcac	tcgattcttt	gcctttcaact	tcattctccc	atttatcatc	gcagcactcg	180
ctatgggttca	cctactcttt	ctccacgaaa	caggatccaa	caacccaaca	ggaatcacat	240
cagatataga	caaaatccca	ttccaccct	actacaccat	caaagacatt	ctagggtgtcc	300
tattactaat	cttagtctta	ataacactag	tactattcac	acctgattta	cttggagacc	360
cggacaatta	taccccagca	aaccatttaa	atacgcctcc	acatattaaa	cccgaatgat	420
atttcctatt	tgcatatgcc	attctacgat	caattcccaa	caaactagga	gg	472

<210> 38

<211> 472

<212> DNA

<213> Moschus leucogaster

<400> 38

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ttccatacat	tggtactaat	ctgggttgaat	gaatttgagg	aggcttctca	gtagacaaag	120
caacactcac	ccgattcttt	gccttccact	tcattctccc	atttatcatc	gcagcactcg	180
ctatgggttca	cctactcttt	ctccacgaaa	caggatccaa	caacccaaca	ggaatcacat	240
cagatataga	caaaatccca	ttccaccct	actacaccat	caaagacatt	ctagggtgtcc	300
tattactaat	cttagtctta	ataacactag	tactattcac	acctgattta	cttggagacc	360
cggacaatta	taccccagca	aaccatttaa	atacgcctcc	acatattaaa	cccgaatgat	420
atttcctatt	tgcatatgcc	attctacgat	caattcccaa	caaactagga	gg	472

<210> 39

<211> 472



<212> DNA

<213> Moschus chrysogaster

<400> 39

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ttccatacat	tggtactaac	ctgggttgaat	gaatttgagg	agggtttctca	gtagacaaaag	120
caacactcac	tcgattcttt	gccttccact	tcattctccc	atttatcatc	gcagcactcg	180
ctatggttca	cctactcttt	ctccacgaaa	caggatccaa	caacccaaca	ggaatcacat	240
cagacataga	caaaatccca	ttccacccct	actacaccat	caaagacatt	ctaggtgtcc	300
tattactaat	cctagtctta	ataacactag	tactattcac	acctgattta	cttggagacc	360
cggacaatta	taccccgga	aaccattaa	atacgcccc	acatattaaa	cccgaatgat	420
acttcctatt	tgcatatgcc	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 40

<211> 472

<212> DNA

<213> Moschus berezovskii

<400> 40

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ttccttacat	tggtactaat	ctgggttgaat	gaatctgagg	aggctttctca	gtagacaaaag	120
caacactcac	ccgattcttt	gccttccact	tcattctccc	atttatcatc	gcagcactcg	180
ctatggttca	cctactcttt	ctccacgaaa	caggatccaa	caacccaaca	ggaatcatat	240
cagacataga	caaaatccca	ttccacccct	actacactat	caaagacatt	ctaggtgtcc	300
taataactaat	cctagtctta	atagtactag	tactattcac	acctgattta	cttggagacc	360
cggacaatta	taccccgga	aaccattaa	acacaccacc	acatattaaa	cccgaatgat	420
acttcctatt	tgcatatgcc	attctacgat	caattcccaa	caaactagga	gg	472

<210> 41

<211> 472

<212> DNA

<213> Moschus moschiferus

<400> 41

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ttccctacat	tggtactaac	ctgggttgagt	gaatttgagg	agggtttctca	gtagacaaaag	120
caacactcac	ccgattcttt	gcctttccact	ttatcctccc	atttatcatt	gcagcactcg	180
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cagacataga	caaaatccca	tttcacccct	actacaccat	caaagatatt	ctaggtatcc	300
tattactaat	cttaatotta	atagcactag	tgtatattac	acccgacctc	cttggagatc	360
cggacaacta	tactccagca	aaccattaa	atacacctcc	acatattaaa	cccgaatggt	420
actttctatt	tgcatatgcc	attctacgat	caattcctaa	taaactagga	gg	472

<210> 42

<211> 472

<212> DNA

<213> *Kobus ellipsiprymnus*

<400> 42

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ttccatacat	tggcacaaac	ctagtcgaat	gaatctgagg	aggattttca	gtagataagg	120
caacccttac	ccgcttcttc	gccttccact	ttattctccc	atztatcatc	gcggctatta	180
ccatagtcca	tcttctgttt	ctccatgaaa	caggatccaa	taatcccaca	ggaatctcat	240
cagacataga	taaaatccca	ttccacccct	actacaccat	caaagacatt	ctaggcgccc	300
tactactaat	cctagtccca	atactcctag	ttctattcgc	ccccgaccta	cttgagagac	360
ctgacaacta	tgccccagca	aaccaccta	acacgcccct	cacaattaaa	cctgaatgat	420
acttcttatt	cgcatacgca	attctacgat	caatcccaa	caaactagga	gg	472

<210> 43

<211> 472

<212> DNA

<213> *Kobus megaceros*

<400> 43

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tcccatatat	cggcacaaac	ctagtcgaat	gaatctgagg	aggattctca	gtagacaaag	120
caacccttac	ccgcttcttc	gccttccact	ttatcctccc	atztatcatc	gcagctatcg	180
ctatagttca	cctactattc	cttcatgaaa	caggatctaa	caaccctaca	gggatttcat	240
cagacacaga	caaaatccca	ttccacccat	attataccat	caaagatatt	ctaggtgccc	300
tcctattaat	cctaatacta	atactcctag	tactatttgc	ccccgaccta	cttgagagacc	360
ctgacaatta	taccccagca	aaccaccta	atacacctcc	ccatattaaa	cccgaatgat	420
atttcttatt	cgcatacgca	attttacggt	caattcctaa	taaactggga	gg	472

<210> 44

<211> 472

<212> DNA

<213> *Redunca arundinum*

<400> 44

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tcccatatat	cggcacaaac	ctagtcgaat	gaatctgagg	aggattctca	gtcgataaag	120
caacccttac	ccgattcttc	gccttccact	ttatcctccc	attcattatc	acagccctcg	180

ctatagtaca	cctactattc	ctccacgaaa	caggatccaa	caaccctaca	ggaatctcat	240
cagatgtaga	caaaatccca	tttcatccat	actatactat	caaggacgtc	ctaggcgccc	300
tactgcta	cctagtccca	atgctcttag	tattattcac	ccctgaccta	ctcggagatc	360
cggacaatta	tactccagca	aatccactca	acacaccccc	tcatattaaa	cccgaatgat	420
acttcttatt	tgcatatgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 45

<211> 472

<212> DNA

<213> Redunca fulvorufula

<220>

<221> n

<222> 269;431

<223> unknown base

<400> 45

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caaccctcac	tcgattcttc	gccttccact	ttatctctcc	atztatcatc	atagccctcg	180
ctatagtcca	cctactattc	ctccatgaaa	caggatccaa	caacccccaca	ggggtttcat	240
cagayatgga	caaaatccca	ttccaccnt	actacaccat	caaagayatt	ctagggtgccc	300
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cggacaatta	caccccagca	aaccctctca	acacaccccc	tcacatcaaa	ccagaatggt	420
acttcttatt	ngcatacgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 46

<211> 472

<212> DNA

<213> Neotragus moschatus

<400> 46

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caaccctcac	ccgatttttt	gccttccact	tcattctccc	atztatcatc	gcagcactcg	180
ccatagtcca	cttactcttc	ctacacgaaa	caggatccaa	caacccccaca	ggaatctcat	240
cagacgcaga	caaaatccca	ttccaccct	actacaccat	taaagacatt	ctaggcgcca	300
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cagacaatta	caccccgcga	aaccctctta	acacgcctcc	ccatatcaaa	cccgaatgat	420
actttttatt	cgcatacgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 47

<211> 472

<212> DNA

<213> *Pelea capreolus*

<400> 47

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caaccctcac	cggatttttt	gctttccact	ttattctccc	atttatcatt	gcagccctca	180
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ccgacataga	caaaattcca	ttccacccat	actacacat	taaagatatt	ctaggcgctt	300
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ctgacaatta	cacccctgca	aaccgctca	acacaccccc	tcatatcaaa	cccgaatgat	420
atttcctatt	tgcatatgcy	attctacgat	caattcccaa	caaactagga	gg	472

<210> 48

<211> 472

<212> DNA

<213> *Antilope cervicapra*

<400> 48

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tcccatacat	cgtacaaac	ctagtagaat	gaatctgagg	agggttctca	gtagataaag	120
caacccttac	cggatttttc	gccttccact	ttatcctccc	atttatcatt	gcagccctta	180
ccatagtaca	cctactgttt	ctccacgaaa	caggatccaa	caaccccaca	ggaatctcat	240
cagacgcaga	caaaattcca	ttccacccct	actacactat	caaagatata	ctaggagctc	300
tactattaat	tttaaccctc	atgcttctag	tcctattctc	accggacctg	cttggagacc	360
cagacaacta	tacaccagca	aaccacttta	atacaccccc	acatatcaag	cccgaatgat	420
acttcctatt	tgcatacgca	atcctccgat	caattcctaa	caaactagga	gg	472

<210> 49

<211> 472

<212> DNA

<213> *Saiga tatarica*

<400> 49

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caaccctcac	cggattcttc	gccttccact	tcctcctccc	atttattatc	gcagctctcg	180
ctatagtcca	cctacttttt	cttcacgaaa	caggatctaa	caaccccaca	ggaatcccat	240

cagattcaga	caaaatccca	ttccaccct	actacaccat	taaagacatt	ctaggcgccc	300
tactacttat	tctaatectc	atacttctag	tcctatcttc	accagacctg	cttggagacc	360
cagacaacta	cacrcagca	aaccactta	acacaccccc	acatattaaa	cccgaatgat	420
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<210> 50

<211> 472

<212> DNA

<213> Gazella dama

<400> 50

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caacactcac	cgcattcttt	gccttcatt	tcattctccc	attcatcatt	gcagcccttg	180
ccatagttca	tctattatct	cttcacgaaa	caggatccaa	caacccca	ggaatttcat	240
cagatgcaga	caaaattccg	ttccaccct	actacaccat	caaagacatt	ctaggagcac	300
tactattaat	tctagccctc	atactcctag	ttctattcac	accagatctg	cttggagacc	360
cagacaacta	cacaccagca	aatccactca	atacaccccc	acatattaa	cctgagcgat	420
atttcctatt	tgcatacgca	attctccgat	caattcctaa	taaactagga	gg	472

<210> 51

<211> 472

<212> DNA

<213> Ourebia ourebi

<400> 51

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caactctaac	cgcattcttt	gccttcact	tcattctccc	attcatcatt	gcagcccttg	180
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cagatgcaga	caaggtecca	ttccaccct	actacaccat	taaagacatc	ctaggcgcc	300
tcctactaat	tctagccctc	atgctcctag	tcctattcac	accagacctg	cttggagacc	360
cagacaacta	tacaccagca	aaccactaa	atacaccccc	acatattaaa	cctgagtgg	420
atttcctatt	cgcatacgca	attctccgat	cgattcccaa	caaactagga	gg	472

<210> 52

<211> 472

<212> DNA

<213> Gazella gazella

<400> 52

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caacactcac	ccgattcttt	gcttttctact	ttatcctccc	attcatcatt	gcagccctcg	180
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tactactaat	cctagttctt	atactcctag	ttctgttctc	accggacctc	ctcggagacc	360
cagacaacta	tacaccagca	aatccactca	acacaccccc	acacatcaaa	cctgaatggt	420
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<210> 53

<211> 472

<212> DNA

<213> *Raphicerus melanotis*

<400> 53

taccatgggg	acaaatatcc	ttttgaggag	caacagtcac	cactaatctc	ctctcagcaa	60
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caaccctcac	ccgattcttc	gcttttctact	tcagttctcc	atttatcctc	gcagccctag	180
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tcctattaat	cctaaccctt	atgcttctag	ttctattctc	accagacctc	ctcggagacc	360
cagacaacta	tacaccagca	aaccactca	acacaccccc	acatatcaaa	cccgaatggt	420
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<210> 54

<211> 472

<212> DNA

<213> *Madoqua kirkii*

<400> 54

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caaccctcac	ccgattcttc	gccttccatt	ttattctccc	attcattatt	gcagccctag	180
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tactactaat	tataggcctc	atactcctag	ttctattctc	accagacctg	ctcggagacc	360
cagacaacta	cacaccagca	aatcccctta	acacgcccc	acacattaaa	cctgaatgat	420
atttcctatt	cgcatatgca	atcctccgat	caatccctaa	caaactaggg	gg	472

<210> 55

<211> 472

<212> DNA

<213> *Antilocapra americana*

<400> 55

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tcccatacat	tggtactaac	ctagtagaat	gaatctgagg	gggattctca	gtagacaaag	120
caaccctcac	ccgattcttc	gcattccact	ttatcctccc	attcatcatt	gcagcactag	180
ccatagtaca	cttactattc	ctccacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
cagacgcaga	caaaatccca	ttccacccat	actacaccat	caaagacatt	ctaggagcac	300
tactaataat	cttagcccta	ataatactag	tactattctc	accagacctg	ttaggagacc	360
ccgacaacta	cacaccagct	aaccctactca	acactccccc	acacattaag	ccagaatgat	420
atttcctatt	cgcatacgca	atcctacgat	caatccctaa	caaactagga	gg	472

<210> 56

<211> 472

<212> DNA

<213> *Tragulus javanicus*

<400> 56

taccctgagg	acagatatct	ttctgaggag	ccacagtcac	caccaacctc	ttatcagcta	60
tcccatacat	tggtcacagac	ttggtcgaat	gaatctgagg	tggtttttca	gtagacaaag	120
caacccttac	acgattcttt	gccttccact	ttatccttcc	atttatcatt	acagccctag	180
tcctagtcca	cctttttatt	ctccacgaaa	caggatctaa	taaccccaca	ggaatcccct	240
cagacgcaga	caaaatcccc	ttccacccat	actacactat	taaagacatt	ctaggggttc	300
tagccctatt	tctagcccta	atactactag	tcctattctc	acccgacctc	cttggagacc	360
cagataacta	cacccccgcc	aacccccctta	acacaccacc	ccatatcaaa	cccgaatgat	420
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<210> 57

<211> 472

<212> DNA

<213> *Tragulus napu*

<400> 57

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tcccctatat	cggcaccgaa	ctagttgaat	gaatctgagg	cgggttctca	gtagacaaag	120
caacccttac	acgatttttt	gccttccact	tcctcctccc	atttgtcatt	acagccctag	180
ccctagtcca	tctttttatt	ctccacgaga	caggatcaaa	taaccccaca	ggaatcccct	240
cagacgcaga	caagatcccc	ttccacccat	actacaccat	caaagatgtc	ctaggggttc	300
tagtccta	actagtcctt	ctattaactag	tcctattttc	acccggacttg	ttgggagacc	360
ccgacaatta	cactccggca	aacccccctca	acacaccacc	tcatatattaag	ccagagtggg	420
atttcctatt	cgcatacgca	atcctacgat	caatccccaa	taaattagga	gg	472

<210> 58

<211> 472

<212> DNA

<213> Balaenoptera acutorostrata

<400> 58

taccctgagg	acaaatatca	ttttgaggtg	caaccgtcat	caccaacctc	ctatcagcaa	60
tcccatatat	tggtactacc	ttagtcgaat	gaatctgagg	tggtttctct	gtagacaaag	120
caacattaac	acgttttttt	gccttccact	tcattctccc	ttttattatc	ctagcattag	180
caattgtcca	cctcattttc	ctccacgaaa	caggatccaa	taaccccaca	ggtatcccat	240
ctgacataga	caaaatccca	ttccaccctt	actacacaat	caaagacatt	ctaggcgccc	300
tactactaat	tctaacccta	ctagcactaa	ccctattcgc	acccgacctg	cttggagacc	360
ccgacaacta	taccccagca	aaccactca	gtaccccagc	acacattaaa	ccagaatgat	420
acttcctatt	cgcatacgca	atcctacgat	caatccctaa	taaactaggc	gg	472

<210> 59

<211> 472

<212> DNA

<213> Balaenoptera bonaerensis

<400> 59

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tcccatacat	tggtaccacc	ttagttgaat	gaatctgagg	tggtttctct	gtagacaaag	120
caacattaac	acgttttttt	gccttccact	tcattctccc	tttcattatc	ctagcattag	180
caattgtcca	cctcattttc	ctccgcgaaa	caggatccaa	taaccccaca	ggtattccat	240
ctgatataga	caaaatccca	ttccaccctt	attacacaat	caaagacatt	ctaggcgccc	300
tactactaat	tctaacccta	ctaactactaa	ccctattcgc	acccgacctg	ctcggagacc	360
ccgacaacta	caccccagca	aaccactca	gtaccccagc	acacattaaa	ccagaatgat	420
attttctatt	cgcatacgca	atcctacgat	caatccccaa	taaactaggc	gg	472



<210> 60

<211> 472

<212> DNA

<213> *Balaenoptera borealis*

<400> 60

taccctgagg	acaaatatca	ttttgaggcg	caaccgtcat	caccaacctc	ttatcagcaa	60
tcccatacat	tggtactacc	ctagtctgaat	ggatctgagg	cggtttctct	gtagataaag	120
caacactaac	acgctttttt	gccttccact	tcattctccc	cttcattatt	ctagcactag	180
caatggtcca	cctcattttc	ctccatgaaa	caggatccaa	caaccccaca	ggtattccat	240
ccgacataga	caaaatccca	ttccaccctt	actacacagt	taaagacatt	ctaggcgccc	300
tactactaat	cctaacccta	ctaatactaa	ccctattcgc	acccgacctg	cttggagacc	360
cagacaacta	caccccagca	aatccactca	gtaccccagc	acacattaaa	ccagaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccccaa	caaattaggc	gg	472

<210> 61

<211> 472

<212> DNA

<213> *Balaenoptera edeni*

<400> 60

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tcccatacat	tggtactacc	ctagtctgaat	gaatctgggg	cggtttctct	gtagataaag	120
caacactaac	acgctttttt	gccttccact	ttatctctcc	cttcattatt	ctagcactag	180
caatggtcca	cctcattttc	ctccacgaaa	caggatccaa	taaccccaca	ggtattccat	240
ccaacataga	caaaatccca	ttccaccctt	attacacaac	taaagacatt	ctaggcgccc	300
tactactaat	cctaacccta	ctaattgctaa	ccctattcgt	acccgacctc	cttggagacc	360
cagacaacta	cactccagca	aatccactca	gtaccccac	acacattaaa	ccagaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caattcccaa	caaattaggc	gg	472

<210> 62

<211> 472

<212> DNA

<213> *Eschrichtius robustus*

<400> 62

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tcccatacat	tggtactacc	ctagtctgaat	gggtctgagg	cggtttttct	gtagataaag	120
caacactaac	acgctttctt	gccttccact	tcattcttcc	attcattatc	ctagcactag	180
caattgtcca	cctcattttc	ctccacgaaa	cgggatccaa	caaccccaca	ggcattccat	240

ccaacataga	caatatccca	ttccaccct	attacacaat	taaagacata	ctaggcgccc	300
tgctactaat	cctaacccta	ctaatactaa	ccctattcgc	acccgacctg	ctcggagacc	360
cagacaacta	taccccagca	aaccctactca	gcaccccaac	acatattaaa	ccagagtgat	420
atttcctatt	tgcatacgca	atcctacgat	cgatccccaa	caaattaggc	gg	472

<210> 63

<211> 472

<212> DNA

<213> Balaenoptera musculus

<400> 63

tgccctgagg	acaaatatca	ttctgaggcg	caaccgtcat	caccaacctc	ctatcagcaa	60
tcccatacat	tggtactacc	ctagtogaat	gaatctgagg	cggtttttct	gtggataaag	120
caacactaac	acgcttcttt	gccttccact	tcattctccc	cttcattcatt	atagcattag	180
caatcgtcca	cctcatcttc	cttcacgaaa	caggatccaa	caacccca	ggatcccat	240
ctgacataga	taaaattcca	ttccaccct	actacacaat	taaagacatt	ctaggcgccc	300
tactactaat	cctaacccta	ctaatactaa	ctctatttgc	acccgactta	ctcggagacc	360
cagacaacta	caccccagca	aaccctactca	gtaccccgagc	acacattaaa	ccagagtgat	420
atttcctatt	tgcatatgca	atcctacgat	caatccccaa	caaattaggc	gg	472

<210> 64

<211> 472

<212> DNA

<213> Megaptera novaeangliae

<400> 64

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tcccatacat	tggtactacc	ctagtogaat	gaatctgggg	cggtttttcc	gtagacaaag	120
caacactaac	acgtttcttt	gctttccact	tcattctccc	cttcattcatt	acagcattag	180
caatcgtcca	cctcattttc	ctccacgaaa	caggatccaa	caacccca	ggcatcccat	240
ccaacataga	caaaatccca	ttccaccott	actacacaat	caaagacact	ctaggcgccc	300
tattactaat	cctaacccta	ctaattgttaa	ccctattcgc	acctgacctg	cttggagacc	360
cagataacta	caccccagca	aaccctactca	gtaccccgagc	acacattaaa	ccagagtgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccccaa	caaactaggc	gg	472

<210> 65

<211> 472

<212> DNA

<213> Balaenoptera physalus

<400> 65

tgccctgagg	acaaatatca	ttctgaggcg	caactgtaat	cactaacctc	ctatcagcaa	60
tcccatacat	tggtaccacc	ctagtogaat	gaatctgagg	cggttttctc	gtagataaag	120
caacactaac	acgctttttt	gcctttcact	ttatcctccc	cttcatcatc	ctagcattag	180
caattgtcca	ccttattttt	cttcacgaaa	caggatccaa	caaccccaca	ggcatcccat	240
ccgacataga	taaaatccca	ttccacccct	accacacaat	taaagacatt	ctaggtgccc	300
tattactaat	cctaataccta	ctaatactaa	ccctattcgc	acccgacctc	cttggagacc	360
cagacaacta	taccccagca	aacccactca	gtaccccagc	acacattaaa	ccagaatggt	420
attttctatt	cgcatacgca	atcctacgat	caatccccaa	caaactaggc	gg	472

<210> 66

<211> 472

<212> DNA

<213> *Caperea marginata*

<400> 66

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cgacactaac	tcgctttctt	gctttccact	tcatectccc	tttcattatt	ctagcgctag	180
cagctgttca	tctccttttc	ctccacgaaa	caggatctaa	caaccccaca	ggcatcccat	240
ccaacataga	caaaattcca	ttccacccct	actacacaat	taaagacatc	ctgggcgtcc	300
tactactaat	cctgacccta	ctaatactaa	ccttattttc	acctgacctg	cttggagacc	360
ctgacaacta	caccccagca	aatccctcca	gcaccccagc	acacatcaag	ccagaatgat	420
acttcttatt	tgcatacgca	atcctacgat	caattcctaa	taaattaggt	gg	472

<210> 67

<211> 472

<212> DNA

<213> *Cephalorhynchus commersonii*

<400> 67

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tcccctacat	cgggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacactaac	acgctttttt	gcctttccact	ttatcctccc	attcatcatc	acagcattag	180
cagcgggtcca	cctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccacccct	attacacaat	taaagacatc	ctaggcgctt	300
tattcctaata	cctaacccta	ctagcattaa	ccctattttg	ccccgacctc	ctaggagacc	360
ctgataacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagagtgat	420
acttcttatt	cgcatatgca	atcctacgat	caattcccaa	taaacttgga	gg	472

<210> 68

<211> 472

<212> DNA

<213> Cephalorhynchus eutropia

<400> 68

taccctgggg	acagatatca	ttttgaggtg	caacagtcac	caccaacctc	ctatcagcaa	60
tcccctacac	cggtagtacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacactaac	acgctttttc	gccttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	cctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctaggcgctt	300
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ctgataacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcataatgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 69

<211> 472

<212> DNA

<213> Lagenorhynchus obliquidens

<400> 69

taccctgagg	acagatatca	ttctgaggtg	caacagtcac	caccaacctc	ctatcagcaa	60
tcccctacac	cggtagtacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaag	120
caacactaac	acgctttttc	gccttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	cctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctaggcgctt	300
tattcctaata	tctaacccta	ctagcactaa	ccctattcac	ccctgaccta	ctaggagacc	360
ctgataacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagaatggt	420
acttcctatt	cgcataatgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 70

<211> 472

<212> DNA

<213> Cephalorhynchus heavisidii

<400> 70

taccctgagg	acaaatatca	ttttgaggcg	caacagtcac	caccaacctc	ctatcagcaa	60
tcccctacac	cggtagtacc	ttagtagaat	gaatctgagg	cggattttcc	gtggacaaag	120
caacactaac	acgctttttc	gccttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	tctactattc	ctacacgaaa	caggatccaa	caaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctaggcgctt	300
tattcctaata	tctagcccta	ctagcactaa	ccctattcgc	ccctgaccta	ctgggagacc	360

ctgataacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcatatgca	atcctacgat	caatccctaa	taaacttgga	gg	472

<210> 71

<211> 472

<212> DNA

<213> cephalorhynchus hectori

<400> 71

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ttccctacat	cggcactacc	ttagtagaat	gaatctgagg	aggattttcc	gtagacaaag	120
caacactaac	acgctttttc	gccttttact	ttatcctccc	attcatcatc	acagcattaa	180
cagccgtcca	cctactattc	ctacacgaaa	caggatccaa	caacccacac	ggaattccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ttaggcgctt	300
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ctgataacta	taccccagca	aatccattaa	acacccccgc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcatatgca	atcctacgat	caatccctaa	taaacttgga	gg	472

<210> 72

<211> 472

<212> DNA

<213> Lagenorhynchus australis

<400> 72

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ttccctacat	cggtagtacc	ttagtagaat	gaatctgagg	cggattttcc	gtagataaag	120
caacactaac	acgctttttc	gcttttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgtcca	cttactattc	ttacacgaaa	caggatccaa	caacccacac	ggaattccat	240
ccaacataga	cataatccca	ttccaccctt	actacacac	taaagacatc	ctaggcgctt	300
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ctgacaacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatatgca	atcctacgat	caatccctaa	taaactcgga	gg	472

<210> 73

<211> 472

<212> DNA

<213> Lagenorhynchus cruciger

<400> 73

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tcccctacat	cgggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaaag	120
caacactaac	acgctttttc	gctttccact	tcatcctccc	attcatcatc	acagcattag	180
cagcgcgtcca	cctgctattc	ctacacgaaa	caggatccaa	caacccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	actacacaat	taaagacatc	ctaggcgctt	300
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ctgacaacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcataatgca	atcctacgat	caattcctaa	taaactcgga	gg	472

<210> 74

<211> 472

<212> DNA

<213> *Lagenorhynchus obscurus*

<400> 74

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tcccctacat	tggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaaag	120
caacactaac	acgctttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
cagcgcgtcca	cctactattc	ctacacgaaa	cagaatccaa	caacccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctagggtgctt	300
tattccta	tctagcccta	ctaactactaa	ccttattcac	ccccgaccta	ctaggagacc	360
ctgataacta	taccccagca	aatccattaa	gcacccccgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcataatgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 75

<211> 472

<212> DNA

<213> *Lissodelphis borealis*

<400> 75

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tcccctacat	cgggtactacc	ttagtagaat	gaatctgagg	cggattttcc	gtagacaaaag	120
caacactaac	acgctttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
cagctgttca	cctactattc	ctacacgaaa	caggatccaa	caacccccaca	ggaattcccat	240
ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctgggcgctt	300
tattctta	tctggcccta	ctagcactaa	ccctattcac	ccctgaccta	ttaggagacc	360
ctgataacta	caccccagca	aatccattaa	gcacccctgc	acacatcaaa	ccagaatggt	420
atttcctatt	tgcatatgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 76

<211> 472

<212> DNA

<213> *Lissodelphis peronii*

<400> 76

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caacactaac	acgctttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
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ccaacataga	cataatccca	ttccaccctt	attacacaat	taaagacatc	ctgggcgctt	300
tattcttaat	tctgacccta	ctagcactaa	ccctatttac	ccctgacctg	ttaggagatc	360
ctgataacta	caccccagca	aatccattaa	gcacccctgc	acacatcaaa	ccagaatggt	420
actttctatt	cgcatacgca	atcctacgat	caattcctaa	taaacttgga	gg	472

<210> 77

<211> 472

<212> DNA

<213> *Globicephala macrorhynchus*

<400> 77

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tcccttacat	cggcaccacc	ttagtagaat	gaatctgagg	tggattttcc	gtagacaaaag	120
caacactaac	acgttttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
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ccaacataga	cataattcca	ttccaccctt	attatacaat	taaagacatc	ctaggcgccc	300
tactcttaat	cctagcacta	ctaactactaa	ccctattcac	ccctgacctc	ctaggagacc	360
ctgataacta	tactccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
atttcctatt	cgcatacgca	atcttacgat	caattcccaa	taaacttgga	gg	472

<210> 78

<211> 472

<212> DNA

<213> *Globicephala melas*

<400> 78

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tcccttacat	cggcactacc	ttagtagaat	gaatctgagg	tggattttcc	gtagacaaaag	120
caacactaac	acgttttttc	gctttccact	ttatcctccc	attcatcatc	acaacattag	180
tagctgtcca	cctgctattc	ctacacgaaa	caggatccaa	taaccccata	ggaatcccat	240
ccaacataga	cataattcca	ttccaccctt	attatacaat	taaagatatc	ctaggcgccc	300
tactcttaat	cctagcacta	ctaactactaa	ccctattcac	ccctgacctc	ctaggagacc	360
ctgataacta	tactccagca	aacccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 79

<211> 472

<212> DNA

<213> *Feresia attenuata*

<400> 79

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caacactaac	acgttttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
tagctgttca	cctgctattc	ctacacgaaa	caggatccaa	taaccccaca	ggaatcccat	240
ccaacataga	cataattcca	ttccacccct	attatacaac	taaagatatc	ctaggtgccc	300
tactcttaat	tctaacatta	ctaactactaa	ccctgttcac	ccctgaccta	ctaggagacc	360
ctgataacta	tactccagca	aaccactaa	gcacccctgc	acacatcaaa	ccagagtgat	420
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<210> 80

<211> 472

<212> DNA

<213> *Peponocephala electra*

<400> 80

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caacactaac	acgttttttc	gctttccact	tcatacctccc	attcatcatc	acagcattgg	180
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ccaacataga	cataattcca	ttccacccct	attatacaat	taaagacatc	ctaggcgctc	300
tactcttaat	cttagcacta	ctaactactaa	ccctattcac	ccctgaccta	ctaggagacc	360
ctaacaacta	taccccagca	aaccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 81

<211> 472

<212> DNA

<213> *Grampus griseus*

<400> 81

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caacactaac	acgttttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
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ccaacataga cataattcca ttccaccctt attacacaat taaagacatc ctaggcgccc	300
tactcctaata cctaacta ctaactaa ccctattcac ccctgaccta ctaggagacc	360
ctgataacta cactccagca aaccgcgtta gcacccctgc acacatcaaa ccagaatgat	420
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<210> 82

<211> 472

<212> DNA

<213> *Pseudorca crassidens*

<400> 82

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caacactaac acgttttttc actctccact ttatcctccc attcatcatt acagcactaa	180
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ccaacataga cataattcca ttccaccctt attacacaat taaagatatc ctaggcgccc	300
tactcttaata tctaacta ctaactaa ccctattcac ccccgaccta ctaggagacc	360
ctgataacta tattccagca aaccactaa acacccctgc acacatcaaa ccagaatgat	420
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<210> 83

<211> 472

<212> DNA

<213> *Lagenorhynchus acutus*

<400> 83

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caacactgac acgttttttc gccttccatt tcctcctccc attcataatt acagcattag	180
cagctgttca cctgctgttc ctacacgaga caggatccaa taaccctaca ggaatcccat	240
ctaactataga tataatcccg ttccaccctt attatacaat taaagatatc ctaggcgctt	300
tactcttaata tctaacccta ctacactaa ccctattcac ccctgaccta ctaggagacc	360
ctgataacta cactccagca aatccactaa gcacccctgc acacatcaaa ccagaatgat	420
atttcctatt cgcataatgca atcctacgat caattcccaa caaacttgga gg	472

<210> 84

<211> 472

<212> DNA

<213> *Orcinus orca*

<400> 84

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ccaacataga	tataatccca	ttccaccctt	atcacacaat	taaagatacc	ctaggcgccc	300
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ctgacaacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 85

<211> 472

<212> DNA

<213> Orcaella brevirostris

<400> 85

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caacactaac	acgttttttc	gccttccact	ttatcctccc	attcatcatc	acagcactag	180
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ccaacataga	cataatccca	ttccaccctt	atcatacatt	taaagacatc	ctaggcgccc	300
tactcttaat	cttagtccta	ctaactactaa	ccctgttcac	ccccgaccta	ctaggagacc	360
ctgataacta	tactccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcatacgcg	atcctacgat	caattcctaa	taaactcgga	gg	472

<210> 86

<211> 472

<212> DNA

<213> Delphinus capensis

<400> 86

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caacattaac	acgttttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgttca	cctgctattc	ctacacgaaa	caggatccaa	taaccccaca	ggaatcccat	240
ccaatataga	cataatccca	ttccaccctt	attatacaat	caaagatata	ctagggtgct	300
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ctgataacta	taccccagca	aatccactaa	gcacccctgc	acatatcaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcctacgat	caatccctaa	taaacttgga	gg	472

<210> 87

<211> 472

<212> DNA

<213> Delphinus tropicalis

<400> 87

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caacattaac	acgctttttc	gctttccact	ttatcctccc	attcatcatc	acagcattag	180
cagccgttca	cctgctattc	ctacacgaaa	caggatccaa	taaccccaca	ggaatcccat	240
ccaacataga	cataatccca	ttccaccctt	attatacaat	caaagatatc	ctaggtgccc	300
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ctgataacta	taccccagca	aatccactaa	gcaccctgc	acatatcaaa	ccagaatgat	420
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<210> 88

<211> 472

<212> DNA

<213> Delphinus delphis

<400> 88

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caacattaac	acgctttttc	gctttccact	ttatcctccc	attcatcatc	acagcactag	180
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ctgataacta	taccccagca	aatccactaa	gcaccctgc	acacatcaaa	ccagaatgat	420
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<210> 89

<211> 472

<212> DNA

<213> Stenella clymene

<400> 89

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caacattaac	acgctttttc	gctttccact	ttatcctccc	gttcatcatc	acagcattag	180
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ccaatataga	cataatccca	ttccaccctt	attatacaat	caaagatatc	ctaggtgcct	300
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ctgacaacta	taccccagca	aatccactaa	gcaccctgc	acacatcaaa	ccagaatgat	420
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<210> 90

<211> 472

<212> DNA

<213> *Stenella coeruleoalba*

<400> 90

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caacattaac	acgctttttc	gctttccact	ttatcctccc	gttcattatc	acagcattag	180
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ctgataacta	tacccagca	aatccactaa	gcaccctgc	acacatcaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcttacgat	caatccctaa	caaacttgga	gg	472

<210> 91

<211> 472

<212> DNA

<213> *Tursiops aduncus*

<400> 91

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caacactaac	acgctttttc	gctttccact	ttatcctccc	gttcgtcatc	acagcattag	180
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ctgataacta	tatcccagca	aatccactaa	gtacccccgc	acacatcaaa	ccagagtgat	420
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<210> 92

<211> 472

<212> DNA

<213> *Stenella frontalis*

<400> 92

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caacattaac	acgctttttc	gctttccact	ttatcctccc	gttcattatc	acagcattag	180
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ccaatataga	cataatocca	ttccaccctt	attatacaat	caaagacatc	ctaggcgctt	300
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ctgacaatta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 93

<211> 472

<212> DNA

<213> *Sousa chinensis*

<400>93

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caacattaac	acgctttttc	gctttccact	ttatctttcc	cttcatcatc	acagcattag	180
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ccaacataga	cataatocca	tttcaccctt	attatacaat	caaagacatc	ctagggtgctt	300
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ccgataacta	taccccagca	aatccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 94

<211> 472

<212> DNA

<213> *Stenella longirostris*

<400> 94

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caacattaac	acgctttttc	gctttccatt	ttatcctccc	attcatcatc	acagcattag	180
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ctgataacta	taccccagca	aatccactaa	acacccctgc	acacatcaaa	ccagaatgat	420
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<210> 95

<211> 472

<212> DNA

<213> *Tursiops truncatus*

<400> 95

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caacattaac	acgttttttc	gccttccact	ttattcttcc	attcatcatc	acagcattgg	180
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<210> 96

<211> 472

<212> DNA

<213> *Lagenorhynchus alborostris*

<400> 96

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<210> 97

<211> 472

<212> DNA

<213> *Steno bredanensis*

<400> 97

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<210> 98

<211> 472

<212> DNA

<213> *Sotalia fluviatilis*

<400> 98

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<210> 99

<211> 472

<212> DNA

<213> *Delphinapterus leucas*

<400> 99

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caacactaac	acgcttcttc	accttccact	ttatcctccc	attcatcatt	acagcgctag	180
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cagacaatta	caccccagca	aacccactaa	acacccccgc	acacatcaaa	ccagaatggt	420
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<210> 100

<211> 472

<212> DNA

<213> *Monodon monoceros*

<400> 100

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caacactaac	acgcttcttc	accttccact	ttatcctccc	attcatcatc	acagcactag	180
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ctgacaatta	taccccagca	aacccactaa	gcacccctgc	acacatcaaa	ccagaatgat	420
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<210> 101

<211> 472

<212> DNA

<213> Platanista gangetica

<400> 101

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caacactaac	acgattcttt	gcctttcact	tcctcctccc	tttcatcatc	ctaactactag	180
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<210> 102

<211> 472

<212> DNA

<213> Platanista minor

<400> 102

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caacactaac	acgattcttt	gcctttcact	tcctcctccc	tttcatcatc	ctaactactag	180
cagttatcca	cctactattc	ctacacgaaa	caggctcaaa	caaccccaca	ggaattccat	240
ccaacactga	caaaatccct	ttccacccct	actacacaat	caaagacacc	ctaggcgccc	300
tcctccta	cctaacctca	ctcacattaa	ccttattttac	acctgacctc	ctaggagacc	360
ccgataacta	caccccagca	aacccgctta	ataccccagc	acatatcaaa	ccagagtgat	420
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<210> 103

<211> 472

<212> DNA

<213> Kogia breviceps

<400> 103

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ttccttatat	cggcaccacc	ctagtagaat	gagtctgagg	tggctttctcc	gtagacaaaag	120
ccacattaac	acgtttcttt	gcctttcact	tcctcctccc	ctttatcatc	ctagcactgg	180
caatgggtcca	cctcttattt	ctccacgaaa	caggatccaa	caaccccata	ggaatcccat	240



ccgacataga	caaaatccca	ttccaccct	actacacaat	caaggacatc	ttaggcgccc	300
tactgcta	ctcagcgcta	cttacattaa	ccctattcgc	accagaccta	ttaggagacc	360
ctgacaacta	caccccagca	aaccactaa	gcaccccgcc	acacattaaa	ccagaatgat	420
atttcctatt	tgcatatgcc	atcctacgat	ccatccctaa	caaactaggg	gg	472

<210> 104

<211> 472

<212> DNA

<213> Kogia simus

<400> 104

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ctacgcta	acgcttcttt	gctttccact	ttattctccc	cttcatcatc	ctagcactag	180
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ctgatataga	caaaatccca	ttccaccct	actacacaat	caaagatatc	ctaggcgccc	300
tactactaat	ctcagcacta	ctcacactga	ccctgttcgc	acctgatcta	ctaggagacc	360
ccgacaacta	taccccagca	aaccactaa	gcaccccgcc	acacattaaa	ccagaatgat	420
actttctatt	cgcatacgcc	attctacgat	caattcctaa	caaactggga	gg	472

<210> 105

<211> 472

<212> DNA

<213> Physeter catodon

<400> 105

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caacactgac	acgcttcttc	actctccact	tcatectccc	ctttatcacc	ctaactactaa	180
caatagtaca	tctcctat	ctccatgaaa	caggatccaa	caacccccca	ggaattccct	240
ccaacataga	caaaatccca	ttccaccct	accacacaat	caaagacacc	ataggtgccc	300
tactactaat	cctatcccta	cttactactaa	ccctgttcgc	acccgacctg	ctaggagatc	360
ctgacaacta	caccccagca	aatccactaa	ataccccaac	acacatcaaa	ccagaatggt	420
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<210> 106

<211> 472

<212> DNA

<213> Lipotes vexillifer

<400> 106

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caacattaac	cgccttcttc	gctctccatt	tcctccttcc	atctattatt	gtagcactaa	180
caaccgtcca	cttactatct	ctccatgaaa	caggatccaa	caacccaata	ggaattccat	240
ctaacaataga	caaaatccca	ttccaccctt	accacacaat	ttaaagatata	ctaggcgccc	300
ttctattaat	atctgttcta	ctcacactaa	ccttacttgc	accagaccta	ctcggagatc	360
ctgataatta	taccccgca	aaccactaa	acactccgc	acacatcaaa	ccagaatgat	420
atttcctctt	cgcatacgca	attctacgat	caattcccaa	taaattagga	gg	472

<210> 107

<211> 472

<212> DNA

<213> *Phocoena sinus*

<400> 107

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caacactaac	acgcttcttc	gccttccatt	ttatccttcc	atctatcatt	acagcactaa	180
taatcgtcca	tctactatct	ctccatgaaa	caggctccaa	caatcccaca	ggaatcccgt	240
ctaacaataga	cataatcccc	ttccaccctt	actatacaat	caaagatata	ctaggcgccc	300
tactatcttat	tctaacttta	ctaacactaa	ccttattttt	acctgacctt	ctaggagacc	360
ccgataacta	cattccagca	aaccactaa	gcaccccgagc	acacattaaa	ccagaatgat	420
atttcctctt	cgcatacgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 108

<211> 472

<212> DNA

<213> *Berardius bairdii*

<400> 108

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ccacactaac	acgcttcttt	gccttccact	ttatcctccc	ttttatcatt	ctaaccctag	180
cagcgtcca	cttactatct	ctccacgaaa	caggatccaa	caacccaca	ggaatcccat	240
ccaatataga	taaaattcca	ttccaccctt	actatacaat	caaagatata	ctaggagccc	300
tactactaat	cctagcccta	ctcacgctaa	ccctatttgc	acccgaccta	ctaggagagc	360
ccgacaacta	taccccgga	aaccgctca	gcaccccaac	acatattaag	ccagaatgat	420
acttctgtgt	cgcatacgca	atcttacgat	cagtccttaa	taaactaggg	gg	472

<210> 109

<211> 472

<212> DNA

<213> *Ziphius cavirostris*

<400> 109

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ttccctatat	cggcactact	ctagtcgaat	gaatctgagg	tgggtttttca	gtagataaaag	120
ccacactaac	acgcttcttt	gccttccatt	tcctccttcc	atttattatt	ttagccctag	180
cagccgtcca	cttactatth	ctccacgaaa	caggatctaa	taacccacaca	ggaatcccat	240
ccgatataga	caaaatccca	ttccaccctt	attacacaat	caaagacatc	ctaggagccc	300
tactattaat	cgtattctta	ctcgcactaa	ccctattcgc	acccgacctg	ctaggagacc	360
ccgataacta	taccccagca	aatccactca	gcaccccagc	acacattaag	ccagaatgat	420
acttcctatt	cgcatacgca	atcctacgat	caattcccaa	taaactagga	gg	472

<210> 110

<211> 472

<212> DNA

<213> *Mesoplodon europaeus*

<400> 110

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ttccctatat	tggcactact	ctagtcgaat	gaatctgagg	tggctttttcc	gtagataaaag	120
ctacactaac	acgcttcttt	gctttccact	ttatccttcc	attcattatt	ctagccctaa	180
caatcgtcca	cttactatth	ctccatgaaa	caggatccaa	taaccctaca	ggaatcccat	240
ctgatataga	caaaatccca	ttccatcctt	actacacaat	caaagatatc	ctagggggctc	300
tactactaat	tctagcccta	ctcaccctaa	ccctattcgc	acccgacctg	ctaggagacc	360
ccgacaatta	caccccagca	aaccacttta	atactccagc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcatacgca	attctacgat	caattcccaa	caaactagga	gg	472

<210> 111

<211> 472

<212> DNA

<213> *Mesoplodon bidens*

<400> 111

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ttccctacat	cggcactacc	ctagttgaat	gaatctgagg	tggctttttcc	gtagacaaaag	120
ccacattaac	acgcttcttc	gccttccact	ttatcctccc	atttattatt	ttagccctag	180
caatcgtcca	cctactatth	ctccatgaaa	caggatctaa	caaccctaca	ggaattccat	240
ccgacataga	taaaattcca	ttccaccctt	actacacaat	taaagatatc	ctgggagccc	300
tactactaat	tctaacccta	ctcgcactaa	ccctattcgc	acctgacctg	ctaggagacc	360
ccgacaacta	taccccagca	aaccactca	gcaccccagc	ccacatcaaa	ccagagtggg	420
atttcctatt	cgcatacgca	atcttacgat	caattcctaa	taaactagga	gg	472

<210> 112

<211> 472

<212> DNA

<213> Mesoplodon densirostris

<400> 112

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ttccctatat	tggcaccacc	ctagtogagt	gaatctgagg	tggtttttcc	gtagacaaaag	120
ccacattaac	acgtttcttc	gcttttcaact	tcctctccc	ctttattatt	ctagccctaa	180
caatgggtcca	cctactattc	ctccatgaaa	caggatctaa	taaccctaca	ggaatcccat	240
ctgacataga	taaaattcca	tttcaccctt	attacacaat	caaagatatt	ttaggagccc	300
tactattaat	tctggcccta	cttatactaa	ccctatttgc	acctgacct	ctaggagacc	360
ccgataatta	tactccagca	aaccctactca	acactccagc	acacatcaaa	ccagagtgggt	420
attttctatt	tgcatacgca	atcctacgat	caatccccaa	caaattagga	gg	472

<210> 13

<211> 472

<212> DNA

<213> Hyperoodon ampullatus

<400> 113

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ccacattaac	ccgttttttc	gccctccact	ttatctctcc	attcattatt	ctagccctag	180
caatcgtcca	cctactattc	ctccatgaaa	caggatccaa	caatcccaca	ggaattccat	240
ctgacataga	caaaatcccg	ttccacccat	actacacaat	caaagacact	ctaggggccc	300
tattactaat	cctagtccta	ctcacattaa	ccctattcgc	acccgacct	ctaggagacc	360
ctgataacta	taccccgca	aaccctactca	gcactccagc	acacatcaaa	ccagaatgggt	420
acttcttatt	tgcatacgca	atcctacgtt	caatccctaa	caaactagga	gg	472

<210> 114

<211> 472

<212> DNA

<213> Hyperoodon ampullatus

<400> 114

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ccacattaac	ccgttttttc	gccctccact	ttatctctcc	attcattatt	ctagccctag	180
caatcgtcca	cctactattc	ctccatgaaa	caggatccaa	caatcccaca	ggaattccat	240
ctgacataga	caaaatcccg	ttccacccat	actacacaat	caaagacact	ctaggggccc	300

tattactaat	cctagtccta	ctcacattaa	ccctattcgc	acccgaccta	ctaggagacc	360
ctgataacta	taccccagca	aaccctactca	gcactccagc	acacatcaaa	ccagaatggt	420
acttcttatt	tgcatatgca	atcctacgtt	caatccctaa	caaactagga	gg	472

<210> 115

<211> 472

<212> DNA

<213> *Mesoplonodon peruvianus*

<400> 115

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ctacattaac	acgatttttt	gccttcact	ttattctccc	atttattatc	ttagctctaa	180
caattgtcca	tttactattt	ctacacgaaa	caggatctaa	taatcccata	ggaatctctt	240
ctgacataga	caaaattcca	tttcactcct	actatacaat	taaagatatc	ttaggagccc	300
tattattaat	tatagtccta	cttatactaa	ccctatttgc	acctgaccta	ttaggagatc	360
ctgacaatta	cactccagca	aaccctactta	gcaccccagc	acatattaaa	ccagaatgat	420
attttctatt	tgcatatgca	attttacgat	cagttcctaa	taaactagga	gg	472

<210> 116

<211> 472

<212> DNA

<213> *Pontoporia blainvillei*

<400> 116

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caacactaac	gcgattcttc	gctttccatt	ttatccttcc	attcattatt	acagccctag	180
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ctaacaataga	tgccatccca	tttcacccct	actacacaat	taaagatatc	ctagggggccc	300
tattaataat	cctaacaata	ctcacgctga	ctctattcac	ccctgaccta	ttaggagacc	360
cagacaacta	tatcccagca	aaccccatga	ataccccaga	gcacattaaa	ccagaatggt	420
atttcctatt	tgccctacgcc	atcctacgat	caattcccaa	taaactggga	gg	472

<210> 117

<211> 472

<212> DNA

<213> *Hippopotamus amphibius*

<400> 117

tgccatgagg	acaaatgtca	ttctgagggg	caacagtcac	taccaactta	ctgtcagcta	60
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ccacccttac	acgattcttt	gccttccact	ttattcttcc	attcgttatc	acagcactag	180
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caaacgcaga	caaaatccca	ttccaccctt	attacacaa	caaggacatc	ctaggtatcc	300
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cagacaacta	cacccccgca	aacccccctta	gcacaccacc	acacattaaa	ccagaatgat	420
atttcctggt	cgcgtacgca	attctccgat	caatccccaa	caaactagga	gg	472

<210> 118

<211> 472

<212> DNA

<213> Hexaprotodon liberiensis

<400> 118

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cagacaacta	cacccccgca	aacccccctta	gcacaccacc	acacatcaaa	ccagaatgat	420
atttcctggt	cgcatacgca	attctccgat	caatccctaa	caaactggga	gg	472

<210> 119

<211> 472

<212> DNA

<213> Rhinoceros sondaicus

<400> 119

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ctacccttac	ccgattcttt	gccttccact	tcacccctcc	ctttattatc	ctagctctag	180
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atttcctatt	tgcttacgca	atcctacgat	ccatccccaa	caaactaggc	gg	472

<210> 120

<211> 472

<212> DNA

<213> Ceratotherium simum

<400> 120

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ctgacaacta	cacccctgcc	aatcctctca	gcactccccc	acatatcaaa	ccagaatgat	420
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<210> 121

<211> 472

<212> DNA

<213> Dicerorhinus sumatrensis

<400> 121

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ccaccctcac	cgggttcttt	gctttccact	tcactctccc	cttcacatc	ctagccctag	180
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cggacaacta	cacaccgcc	aaccctctca	gcacccctcc	acacattaaa	ccagaatggt	420
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<210> 122

<211> 472

<212> DNA

<213> Equus asinus

<400> 122

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cagacaacta	caccccagct	aacccctca	gcactccccc	tcatattaag	ccagaatggt	420
atttcctatt	tgcttacgcc	atcctacgct	ccattcccaa	caaactagggt	gg	472

<210> 123

<211> 472

<212> DNA

<213> *Babyrusa babyrussa*

<400> 123

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caaccctcac	acgattcttt	gctttccact	ttattctacc	cttcatcacc	accgctctcg	180
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tactcataat	tatagctctt	ctaatacctag	tactattctc	accagatcta	ctaggagacc	360
cggacaacta	tactccagca	aaccactaa	atacaccacc	ccacattaag	ccagaatgat	420
acttcctatt	tgctacgcc	atcctacgct	caatccccaa	caaattaggc	gg	472

<210> 124

<211> 472

<212> DNA

<213> *Phacochoerus africanus*

<400> 124

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caactctcac	acgattcttt	gccttccact	tcattttacc	ttttatcacc	gctgccctag	180
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cagacataga	caaaatccca	ttccacccat	actacaccat	taaagatacc	ctaggagccc	300
tattcataat	actaatcctg	ctaatacctag	tattattctc	cccagaccta	ctaggagacc	360
cagacaacta	taccccagca	aaccattaa	acacaccacc	ccacatcaaa	ccagaatgat	420
acttcctatt	cgcctacgcc	atcctacggt	caatccctaa	taaattaggc	gg	472

<210> 125

<211> 472

<212> DNA

<213> *Sus scrofa* haplotype EWB3

<400> 125

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tatttataat	actaatccta	ctaatacctg	tactattctc	accagaccta	ctaggagacc	360
cagacaacta	caccccagca	aaccactaa	acacccacc	ccatattaaa	ccagaatgat	420



atttcttatt cgcctacgct attctacggt caattcctaa taaactaggt gg

472

<210> 126

<211> 472

<212> DNA

<213> Sus barbatus

<400> 126

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tcccctatat	cggaacagac	ctcgtagaat	gaatctgagg	gggcttttcc	gtcgacaaaag	120
caacccttac	acgattcttc	gcctttcact	ttatcctgcc	cttcgtcatt	accgccctcg	180
cagccgtaca	tctcctattc	ctacacgaaa	cgggatccaa	taaccccacc	ggaatttcat	240
cagacataga	caaaattcca	tttcacccat	actacactat	caaagacatt	ctaggagcct	300
tatttataat	actaatccta	ctaactcttag	tactattctc	accagaccta	ctaggagacc	360
cagacaacta	caccccagca	aaccactaa	acaccccacc	ccatattaaa	ccagaatgat	420
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<210> 127

<211> 472

<212> DNA

<213> Lama glama

<400> 127

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ccacccttac	acgattcttc	gccttccact	ttatcttacc	ttttgtcatt	gcagctctag	180
caggagtaca	tctactatct	ttacacgaaa	caggctccaa	caatccaaca	ggaatttctt	240
cggatataga	caaaatcccc	ttccatccct	actatacaat	taaagacatt	ctaggagcac	300
tactacttat	tctaacccta	cttctactcg	tactattctc	accagaccta	ctaggagacc	360
cagacaacta	tactcccgct	aacccctca	acacaccgcc	ccatattaaa	ccagaatgat	420
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<210> 128

<211> 472

<212> DNA

<213> lama guanicoe

<400> 128

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ccacccttac	rcgattcttc	gccttccact	ttatcttacc	ttttgtcatt	gcagctctag	180
caggagtgca	tctactatth	ttacacgaaa	caggctccaa	caatccaaca	ggaatttctt	240
cggatataga	caaaatcccc	ttccatccct	actatacaat	taaagacatt	ctaggagtac	300
tactacttat	tctgacccta	cttctactcg	tactattctc	accagacctt	ctaggagacc	360
ccgacaacta	tactcccgt	aacccccctc	acacaccgcc	tcatattaaa	ccagaatgat	420
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<210> 129

<211> 472

<212> DNA

<213> *Vicugna vicugna*

<400> 129

tcccatgagg	acaaatatca	ttttgagggg	caacagtaat	tacaaacctt	ctctcagcaa	60
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ccacccttaa	ccgattcttc	gcctttcact	ttatcttacc	tttcatcatt	gcagctctag	180
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cagatataga	caaaattccc	ttccatccct	actacacaat	taaagacatt	ttaggagcac	300
tactacttat	tctgattcta	ctcctactcg	tactattctc	accagactta	ctaggagacc	360
ccgacaacta	tacccccgt	aacccccctt	acacaccacc	ccacattaaa	ccagaatgat	420
atttcctatt	tgcatatgct	attctacgat	cgatccccaa	taaattaggc	gg	472

<210> 130

<211> 472

<212> DNA

<213> *Camelus bactrianus*

<400> 130

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ccaccctcac	acgattcttt	gccttccact	tcatoctgcc	atttattatc	acggccctag	180
tagccgtaca	cctattattc	ctacacgaaa	caggctctaa	taacccgaca	ggaatctcct	240
cagacataga	caaaatccca	ttccaccctt	actacacaat	taaagacatc	ctaggagcac	300
tgctactaat	attaattctc	cttattctcg	tactgttctc	accagactta	ttaggagatc	360
ctgacaacta	tactcccgt	aacccccctc	atacaccacc	acacattaag	ccggaatgat	420
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<210> 131

<211> 472

<212> DNA

<213> *Arctocephalus forsteri*

<400> 131

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caaccctaac	acgattcttc	gcctttcact	tcattctccc	cttcgtagca	tcagcactag	180
taatagtaca	tctgctattc	ctacatgaaa	caggatccaa	taacccatca	ggagtctcct	240
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tcctactaat	cttgattcta	atattactag	taatatTTTt	accagatctg	ctgggagacc	360
cagacaacta	caccccagcc	aacccccctca	gcactccacc	acatatataa	cctgaatgat	420
atTTTctatt	cgcttacgcc	atTTTtagat	ctatccccaa	caaactagga	gg	472

<210> 132

<211> 472

<212> DNA

<213> *Arctocephalus gazella*

<400> 132

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caaccctaac	acgattcttc	gcctttcact	ttattctccc	cttcgtagta	tcagcactag	180
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ctgactcgga	caaaattcca	ttccacccat	attatacaat	taaagatatc	ctgggagccc	300
tcttactaat	cttaattcta	atattactag	taatatTTTt	accagatctg	ctaggagacc	360
cagacaacta	catcccagcc	aacccccctca	gtactccacc	acatatcaaa	cctgaatggt	420
atTTTctatt	cgcttatgcc	atTTTtagat	ctatccccaa	caaactagga	gg	472

<210> 133

<211> 472

<212> DNA

<213> *Eumetopias jubatus*

<400> 133

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caaccctaac	acgattcttc	gccttccact	ttattctccc	cttcgtagca	tcagcactag	180
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ccaactcaga	caaaattcca	ttccatccat	attacacaat	taaagatatc	ctgggaaccc	300
tcctactaat	cttaattcta	atactactag	taatatTTTt	accagacctg	ctgggagacc	360
cagacaacta	catcccagcc	aacccccctca	gcactccacc	acatatataa	ccogaatgat	420
atTTTctatt	cgcttatgct	atTTTtagat	ccatccccaa	caaattaggg	gg	472

<210> 134

<211> 472

<212> DNA

<213> *Zalophus californianus*

<400> 134

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caaccctaac	acgattcttt	gccttccact	ttattctccc	cttcatagca	tcagcactag	180
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tcctactaat	cttaacccta	atactactag	taatattttc	accggacctg	ctgggagacc	360
cagacaacta	tattccagcc	aacccccctc	gcactccacc	acatattaaa	cctgagtgat	420
atttcctatt	cgcctatgct	attttacgat	ccatccccaa	caaattaggg	gg	472

<210> 135

<211> 472

<212> DNA

<213> *Odobenus rosmarus*

<400> 135

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caaccctaac	acgattcctc	gccctccact	tcgttcttcc	attcatggca	ttagcactaa	180
cagcagtaca	cctactatct	ctccacgaaa	caggatctaa	caacccttcg	ggaatcctat	240
ctgactcaga	caaaatccca	tttcacccgt	actacacaat	taaagatatc	ctaggggtca	300
tcattcta	cctaactcta	atactactag	tactattctc	accagattta	ctgggagacc	360
cggacaatta	caccccagcc	aacccctctc	gcaccccacc	ccatatcaaa	cccgaatgat	420
atttcctatt	cgcctacgct	atcctccgat	ctattcccaa	caaactcggg	gg	472

<210> 136

<211> 472

<212> DNA

<213> *Phoca vitulina*

<400> 136

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tcccctatgt	cggaaccgac	cttgtagaat	gaatctgagg	agggttttca	gtagataaag	120
caaccttaac	acgattcttc	gccttccact	tcctcctgcc	attcgtagta	tcagccctag	180
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ccaactcaga	caaaatccca	ttccacccgt	actatacaat	taaagatatc	ctagggggccc	300
tactttctcat	tctagtccctg	acactactag	tgtattctc	acccgacctg	ttaggagacc	360
cggacaacta	tatccctgcc	aatcccctaa	gcaccccacc	acatatcaaa	cctgaatggt	420
acttcctatt	tgcctacgca	atcttacgat	ccatccccaa	caaactagga	gg	472

<210> 137

<211> 472

<212> DNA

<213> *Phoca fasciata*

<400> 137

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ttccctatat	cggaaccgac	ctagtacaat	gaatctgagg	aggattttca	gttgataaag	120
caaccctaac	acgatttttc	gctttccact	ttatcctacc	atttgtagta	tcagcactag	180
cggcagttca	cctactattc	ctacacgaaa	caggatccaa	caaccctcc	ggaatcgtat	240
cggactcaga	caaaatccca	ttccacccat	actatacaat	taaagatatc	ctaggagccc	300
tactcctcat	cctagtccta	atactactag	tactattctc	acccgacctc	ctaggagacc	360
cggacaacta	caccctgcc	aaccctctaa	gcacccacc	acatatcaag	cccgaatgat	420
actttctatt	tgcctacgca	atcctacgat	caatcccaa	caaactagga	gg	472

<210> 138

<211> 472

<212> DNA

<213> *Phoca groenlandica*

<400> 138

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caaccctaac	acgatttttc	gccttccact	tcattctacc	attcgtagta	ttagcactag	180
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cggacaacta	catccctgcc	aatccctctaa	gtacccacc	acatatcaag	cccgaatgat	420
actttttatt	tgcctacgca	atcctacgat	caattcccaa	caaactagga	gg	472

<210> 139

<211> 472

<212> DNA

<213> *Cystophora cristata*

<400> 139

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caactctaac	acgggttttc	gccttccact	tcattctacc	attcgtagta	tcagcactag	180
caacagtcca	cctactattc	ctacacgaaa	caggatctaa	taatccctcc	ggaatcacat	240

ccgactcaga	caaaatccca	ttccacccat	actatacaat	taaagacatc	ctaggagccc	300
tactcctcat	cctagttcta	acactactag	tgctattctc	acccgatctg	ctaggagacc	360
ccgacaacta	tacccctgcc	aacccccctaa	gtaccccacc	acatatataa	cctgaatgat	420
atttcctatt	cgcctatgca	atcctacgat	ctatccccaa	caaactagga	gg	472

<210> 140

<211> 472

<212> DNA

<213> Hydrurga leptonyx

<400> 140

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caaccctaac	acgattcttc	gccttccact	ttatccttcc	cttcgtagta	tcagcactag	180
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ccaactcaga	caaaatccca	tttcacccct	actacacaat	caaagacatc	ctaggagccc	300
tattcctcat	tctaacccta	atactactag	tattattctc	acccgacctg	ctaggagacc	360
ccgacaacta	tattcctgct	aacccccctaa	gcaccccacc	acatatcaaa	cccgaatgat	420
atttcctatt	tgctacgca	atcctacgat	ccattcccaa	taaactagga	gg	472

<210> 141

<211> 472

<212> DNA

<213> Leptonychotes weddelli

<400> 141

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caaccctaac	acgattcttc	gccttccact	ttatccttcc	cttcgtagta	tcagcactag	180
cagcagtaca	tctactattc	ttacacgaga	caggatccaa	caacccctcc	ggaattccat	240
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tactcctcat	tctaacccta	atattactag	tattattctc	acccgacctg	ctaggagacc	360
ccgacaacta	tactcccgct	aatccccctaa	gtactccacc	acatatcaaa	cccgaatgat	420
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<210> 142

<211> 472

<212> DNA

<213> Mirounga leonina

<400> 142

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caaccctaac	acgattcttc	gcctccact	ttatcctacc	attcgtagca	ctagcactag	180
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ccgacaacta	caccctgccc	aatcccctaa	gcaccccacc	acatattaaa	cccgaatgat	420
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<210> 143

<211> 472

<212> DNA

<213> *Erignathus barbatus*

<400> 143

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caaccctaac	acgattcttc	gcctccact	ttatcctacc	atttgtagta	ttagcattag	180
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tacttcta	cctagttctt	atacttctag	tgctattctc	acccgaccta	ctgggagatc	360
ccgacaacta	cactcccgt	aaccccctaa	gcaccccacc	acatattaag	cccgaatgat	420
atttcctatt	cgcctatgca	atcctacgat	ccatccccaa	caaacttgga	gg	472

<210> 144

<211> 472

<212> DNA

<213> *Monachus schauinslandi*

<400> 144

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caaccctaac	acgattcttc	gctttccatt	ttattataacc	cttcataagta	ttagcactag	180
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ctgacaacta	cateccctgccc	aacccccttaa	acactccacc	acacattaaa	cccgaatgat	420
acttcctatt	cgcctacgca	atcctacgat	ctatccccaa	taaactagga	gg	472

<210> 145

<211> 472

<212> DNA

<213> *Helarctos malayanus*

<400> 145

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cgactctaac	acgattcttt	gccttccact	ttatccttcc	gttcatcatc	ttggcactaa	180
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ctgacaacta	catccccgca	aatccattga	gcaccccacc	ccacatcaaa	cccgaatggt	420
actttctatt	tgcctacgct	atcctacgat	ccatccctaa	taaactagga	gg	472

<210> 146

<211> 472

<212> DNA

<213> *Selenarctos thibetanus*

<400> 146

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ctgataacta	tacccccgca	aaccctctga	gcaccccacc	ccacatcaaa	cccgaatgat	420
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<210> 147

<211> 472

<212> DNA

<213> *Ailurus fulgens*

<400> 147

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ttccctatat	tggaactaac	cttgtagagt	gaatctgagg	aggttttctca	gtcgacaaaag	120
caactctaac	togattcttc	gccttccact	tcattcttcc	atztatcatt	gcaacactag	180
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ctgataacta	tattccccgt	aaccctatga	gcacaccacc	ccatattaaa	cctgagtggg	420
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<210> 148



<211> 472

<212> DNA

<213> *Felis catus*

<400> 148

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ccaccctaac	acgattcttt	ggcttcact	tcattcttcc	attcattatc	tcagccttag	180
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cagacaacta	catcccagcc	aaccctttaa	ataccctccc	ccatattaaa	cctgaatgat	420
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<210> 149

<211> 472

<212> DNA

<213> *Canis familiaris*

<400> 149

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caaccctaac	acgattcttt	gcattccatt	tcatectccc	tttcatcatc	gcagctctag	180
caatagtaca	cctcctatth	ctacacgaaa	ccggatccaa	caacccttca	ggaatcacat	240
cagactcaga	caaaattcca	tttcaccctt	actacacaat	caaggatata	ctaggagcct	300
tactcctact	cctaataccta	atatcactag	ttttattttc	acctgacctc	ttaggagacc	360
cagataacta	cacccttgca	aaccctctaa	acaccctccc	acatattaaa	cctgagtgat	420
atthttctatt	cgcctatgct	atcctacgat	ccattcctaa	taaattagga	gg	472

<210> 150

<211> 472

<212> DNA

<213> *Talpa europaea*

<400> 150

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ttccttacat	cggtagacac	ttagtagaat	gaatttgagg	tgggtttctca	gtagacaaag	120
cgacactcac	acgattcttc	gccttcact	tcattctgcc	atttattatt	gcggcactag	180
ctggagttca	cctgttattt	cttcacgaaa	caggatcaaa	caaccctatc	ggactctcat	240
cagatacgga	taaaattcca	tttcaccctt	attacactat	taaagacatc	ctaggagcac	300
taatccta	tatagctcta	tcatacttag	tattattttc	acctgacctc	ctaggagacc	360
cagacaatta	catcccggca	aaccgcgtaa	acacaccacc	ccatattaaa	cccgaatggt	420

acttccctatt tgcatatgcc atcctacgat caattccctaa taaattagga gg 472

<210> 151

<211> 472

<212> DNA

<213> *Glaucomys sabrinus*

<400> 151

taccctgagg	acaaatatct	ttctgaggag	ccaccgtcat	caccaacctt	ctctcagcta	60
ttccttatat	tgggacaaca	cttgtagaat	gaatctgagg	aggcttctct	gtcgacaaag	120
ctaccctaac	ccgatttttt	gcatttcatt	ttgtcctccc	ttttattatt	gctgccctag	180
ccataatcca	tctactcttt	ttacacgaaa	caggatccaa	taacccatca	ggactaatct	240
ctgactcaga	taaaatccca	ttccaccctt	atctctcaat	taaagacacc	ctaggattct	300
taatcctcat	cttaatcttc	ataaccctag	ttctcttcac	ccctgatctt	ctaggagacc	360
cagacaacta	taccccagcc	aacccactca	acaccctcc	ccacatcaaa	ccagaatgat	420
actttctatt	tgcatacgca	attctacgat	ctattccaaa	taaactagga	gg	472

<210> 152

<211> 472

<212> DNA

<213> *Glaucomys volans*

<400> 152

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ttccttatat	tgggtacaaca	cttgtagaat	gaatctgagg	gggcttctct	gttgataaag	120
ctaccctaac	ccgattcttt	gcatttcact	tcattcttcc	ttttatcatt	gccgctctag	180
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ctgactcaga	caaaatccca	ttccaccctt	acttctcaat	taaagatacc	ctaggattct	300
taatccttat	cttaatcttc	ataaccctag	ttctcttcac	cccggatctt	ctaggagacc	360
cagacaacta	tactccagcc	aacccactca	acggccctcc	ccatatcaag	ccagagtgat	420
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<210> 153

<211> 472

<212> DNA

<213> *Hylopetes phayrei*

<400> 153

taccatgagg	acaaatatcc	ttctgagggg	ctaccgttat	tacaaaccta	ctatctgcc	60
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ctaccctaac	ccgattcttc	gcattccact	ttgtgctgcc	ctttattatt	gcagcactag	180

ctataattca	ccttctcttt	ctacacgaaa	caggatcaaa	taaccatca	ggcctaattt	240
ccgattcaga	caaaatccca	tttcacccat	actattcaat	taaagatctc	ctaggcgccc	300
ttattcttct	cctaattctt	ataaacttag	tactattttc	ccccgatctt	ttaggagacc	360
ctgacaacta	cacccccgcc	aaccactta	acacccctcc	tcatattaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcctacgat	ctattcccaa	taaattagga	gg	472

<210> 154

<211> 472

<212> DNA

<213> *Petinomys setosus*

<400> 154

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ctaccctaac	ccgattcttc	gcattccact	ttgtgctgcc	ctttattatt	gcggcactgg	180
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ccgattcaga	caaattccca	tttcacccat	actattcaat	taaagatctc	ctaggggccc	300
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ctgacaacta	cacccccgcc	aaccactta	acacccctcc	tcatattaaa	ccagaatgat	420
actttctatt	cgcatacgca	atcctacgat	ctattcccaa	taaattagga	gg	472

<210> 155

<211> 472

<212> DNA

<213> *Belomys pearsonii*

<400> 155

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caaccctaac	acgattcttc	gcattccact	ttatcttacc	atttatcgta	gcagcccttg	180
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ctgaatctga	taaagtacca	ttccacccat	acttcacaat	caaagatatt	cttggcgccc	300
taatcttcgg	ccttatattt	acaaccotta	ttctattcgc	ccctgatctc	ctaggagacc	360
ctgacaacta	tactccggcc	aatccactta	acacccctcc	ccacattaaa	ccagaatgat	420
acttttcta	ttattacgca	atccttcgat	ccatccccaa	caaactagga	gg	472

<210> 156

<211> 472

<212> DNA

<213> *Pteromys momonga*

<400> 156

taccctgagg	acaaatatca	ttctgaggcg	ccactgtcat	caccaacctg	ctatccgcca	60
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ctaccctaac	acgattcttt	gcattccact	ttgtcctccc	cttcattatc	gcagccctag	180
caatagttca	cctacttttc	cttcatgaaa	cagggtccaa	caacccatct	ggacttacct	240
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ttctccttgg	cctcctattc	ataatcttag	tcctctttac	tccagacctc	cttgagagacc	360
ccgacaacta	taccccagcc	aacccctca	acactcccc	tcatatcaaa	ccagagtgat	420
atttcctatt	cgcataatgct	atcttacgat	ctatccctaa	caaactaggc	gg	472

<210> 157

<211> 472

<212> DNA

<213> Galagoides demidoff

<400> 157

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ctacccttac	ccgattcttt	gctttccact	ttatcctccc	atttatcatt	acagcaatag	180
tcataatcca	cctcctattc	cttcacgaaa	caggatcaaa	caacccctca	ggacttccat	240
cagactcaga	caaaatcccc	ttccaccctt	attacataat	caaggatctc	ctaggactga	300
ttattctctt	actaactctg	ttctccctag	taatattctc	cccggacctg	ctaggagacc	360
ctgacaacta	cacccccgcc	aacccctaa	acaccccacc	acatatcaaa	ccagagtgat	420
atttcctatt	tgcctacgcc	atcctacgat	ctatccccaa	caaactagga	gg	472

<210> 158

<211> 472

<212> DNA

<213> Perodicticus potto

<400> 158

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ctaccctaac	acgattcttc	gccttccact	tcatectccc	ctttattatc	acagcactag	180
ccacaactca	cctcttattt	cttcacgaaa	caggatcaaa	taaccagca	ggaattccat	240
cagaatcaga	caaaatcccc	ttccaccctt	actacaccac	caaagactta	ctaggagcca	300
tccttcttct	actaatccta	ctcaccctag	tcctattctc	cccagacctc	ttaggagacc	360
ctgacaacta	caccccagcc	aacccctaa	acaccccacc	acatatcaaa	ccagaatggg	420
actttctatt	cgcctacgcc	atcttacgat	ccatcccaaa	caaactggga	gg	472

<210> 159

<211> 472

<212> DNA

<213> Galago matschiei

<400> 159

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ccacccttac	togattcttc	gcttttccact	tcctcctacc	tttcattatt	gcagccctag	180
ccataattca	ccttcttttc	ctacatgaaa	caggatcaaa	caacccttca	ggaatctcat	240
cagactccga	caaaatccca	ttccaccctt	actacacaat	taaagaccta	ctaggagtaa	300
tcttcttact	actatgccta	ttctctctag	tactattttc	ccccgatctg	ttaggagacc	360
cagacaattt	tacccccgct	aatcccttaa	acacccccacc	acacatcaaa	ccagaatgat	420
acttcttatt	tgcttatgcc	atccttcgat	caattcccaa	caaactagga	gg	472

<210> 160

<211> 472

<212> DNA

<213> Galago moholi

<400> 160

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ctactcttac	ccgatttttc	gcttttccact	tcctcctgcc	tttcatcatc	gcggccctag	180
ccataattca	tcttcttttt	ttacatgaaa	caggggtcaaa	taacccttcg	ggaatctcat	240
cagactccga	caaaatcccc	ttccaccctt	actacacaat	taaagaccta	ctaggagcaa	300
tcctcttact	attatcccta	ttctctctag	tactattctc	ccctgacctg	ctgggagacc	360
cagacaatta	tatccctgcc	aacccccctaa	acacccccacc	acatattaaa	ccagaatgat	420
acttcttatt	tgcttacgcc	atccttcgat	caatccccaa	caaactagga	gg	472

<210> 161

<211> 472

<212> DNA

<213> Otolemur garnettii

<400> 161

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caaccctcac	ccggtttttt	gcttttccact	ttatcctgcc	tttcatcatc	gcagccctag	180
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cagactctga	caaaatcccc	ttccaccctt	attacacaat	taaagacctt	ctaggggcta	300
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cagacaacta	cacccttgcc	aacccccctaa	acacaccgcc	ccatatcaaa	ccgaatgat	420
atttcttatt	tgcttatgct	atcttacgat	ccatcccaaa	taaactagga	gg	472

<210> 162

<211> 472

<212> DNA

<213> Loris tardigradus

<400> 162

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caaccctcac	acgattcttc	gcctttcact	tcctccttcc	attcatcatc	acagcattaa	180
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cagactctga	caaaatccca	tttcacccct	actacacatt	aaaagatatt	ctaggagtaa	300
ttgctctctt	aatcacctta	tcaactctag	ttctattctc	ccctgacctt	ttaggagacc	360
ccgataatta	cacaccagct	aaccctttaa	acaccccacc	ccacatcaaa	ccagaatggt	420
atttcctatt	cgcatacgca	atcctacgat	caatcccca	taaactaggt	gg	472

<210> 163

<211> 472

<212> DNA

<213> Nycticebus coucang

<400> 163

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ccacactcac	acgattcttc	gccttccact	ttatcctccc	cttcctcgtc	gctgctctag	180
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cagactcaga	taagattcca	tttcacccct	actactcact	taaagacctc	ctaggagtgg	300
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ccgacaacta	tacccccgcc	aacccttag	tcacccctcc	acatatcaaa	ccagaatgat	420
attttctatt	cgcctacgcc	atccttcgat	caatcccca	caaactagga	gg	472

<210> 164

<211> 472

<212> DNA

<213> Mus musculus

<400> 164

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ccaccttgac	ccgattcttc	gctttccact	tcattctacc	atctattatc	gcggccctag	180
caatcgttca	cctcctcttc	ctccacgaaa	caggatcaaa	caacccaaca	ggattaaact	240
cagatgcaga	taaaattcca	tttcacccct	actatacaat	caaagatatc	ctagggtatcc	300

taatcatatt	cttaattctc	ataaccctag	tattatTTTT	cccagacata	ctaggagacc	360
cagacaacta	cataccagct	aatccactaa	acacccccacc	ccatattaaa	cccgaatgat	420
atttcctatt	tgcatacgcc	attctacgct	caatccccaa	taaactagga	gg	472

<210> 165

<211> 472

<212> DNA

<213> Gorilla gorilla

<400> 165

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tcctctttct	cctgaccttg	ataacattaa	cactattctc	accagacctc	ctaggagacc	360
cagacaacta	caccttagcc	aacccccctaa	gcacccccacc	ccacatcaaa	cccgaatgat	420
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<210> 166

<211> 472

<212> DNA

<213> Homo sapiens sapiens

<400> 166

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ccaccctcac	acgattcttt	acctttcact	tcattcttgc	cttcattatt	gcagccctag	180
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ttctcttct	tctctcctta	atgacattaa	cactattctc	accagacctc	ctaggcgacc	360
cagacaatta	taccctagcc	aaccccttaa	acacccctcc	ccacatcaag	cccgaatgat	420
atttcctatt	cgcctacaca	attctccgat	ccgtccctaa	caaactagga	gg	472

<210> 167

<211> 472

<212> DNA

<213> Dugong dugong

<400> 167

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ccaccctcac	cggattcttc	gccctacact	tcctcctacc	cttcctcgta	accgccttag	180
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cggactcaga	caaaatccca	ttccacccat	attattcagt	caaagacctc	ctaggcctat	300
tcctcctcat	tctagtctta	ctcctactaa	ccctgttctc	cccggacata	ctgggagacc	360
cagacaacta	cacaccagcc	aacccactaa	acacccctcc	ccacattaaa	ccagaatgat	420
actttctatt	cggatacgct	atcctccgat	ctatccctaa	taaactaggc	gg	472

<210> 168

<211> 472

<212> DNA

<213> *Elephas maximus*

<400> 168

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caaccttaaa	cggattcttc	gccttcatt	tcctcctcc	atttactata	gttgacttag	180
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ctgacaacta	cataccagct	gatccactaa	atactccct	acacatcaaa	ccagagtgat	420
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<210> 169

<211> 472

<212> DNA

<213> *Afropavo congensis*

<400> 169

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caaccctcac	cggattcttc	gccctacact	ttcttctccc	ctttctaatt	gcgggaatta	180
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ccaattcaga	taaaatccca	ttccacccgt	actactccct	caaagatatc	ctaggcttag	300
cactcatgct	cattccattc	ctgacactag	ccctactctc	ccccaacctc	ttaggtgatc	360
cagaaaactt	caccccagca	aacctcttag	taactcccc	acacattaaa	ccagaatggt	420
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<210> 170

<211> 472

<212> DNA

<213> Pavo muticus

<400> 170

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caaccctcac	cggattcttc	gccctacact	ttctcctccc	ctttgtaatc	gcaggaatta	180
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cagaaaactt	taccccagca	aacccctag	taaccccccc	gcacattaaa	ccagaatgat	420
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<210> 171

<211> 472

<212> DNA

<213> Tragopan blythii

<400> 171

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caaccctcac	tggattcttc	gccctacact	tcctcctccc	atttgtaatc	gcaggaatta	180
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ctaactctga	caaaatccca	ttccacccgt	actactccct	caaagatatc	ctgggtctaa	300
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cagaaaactt	caccccagca	aacccactag	taacccctcc	ccatatcaaa	ccagaatgat	420
acttcctatt	cgcttatgcc	atcctgcgct	caatccccaa	caaacttggg	gg	472

<210> 172

<211> 472

<212> DNA

<213> Tragopan satyra

<400> 172

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caaccctcac	cggattcttc	gccctacact	tcctcctccc	atttgtaatc	gcaggaatta	180
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ccaactctga	caaaatccca	tttcatccat	actactccct	caaggatata	ctaggcctaa	300
cactcatgct	cacccccctc	ctcacactag	ccttattctc	accaaacctc	ctaggtgatc	360
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acttcctatt	cgcctacgcc	atcctacgct	caatcccaaa	caaacttgga	gg	472

<210> 173

<211> 472

<212> DNA

<213> *Tragopan caboti*

<400> 173

tcccatgagg	acaaatatca	ttttgaggag	ctaccgtcat	cacaaattta	ttttcagcaa	60
tcccatacat	tggccaaact	ctagtagaat	gggcctgagg	gggcttttca	gttgacaatc	120
caacccttac	cagattcttt	gccctacact	tcctcctccc	atttgtaatc	gcaggaatca	180
ccatcatcca	cctcatcttc	ctacatgaat	caggctctaa	caaccctctg	ggcatctcat	240
ctgactctga	caaaatccca	ttccaccogt	actactccct	caaagatatc	ctgggcctaa	300
cactcatact	cactcctctc	ctcacactag	ccttattttc	accaaacctc	ctaggtgacc	360
cagaaaactt	caccccagca	aaccattgg	taactcctcc	ccatatcaag	ccagaatggt	420
atttcctggt	cgttatgcc	atcctacgct	caatcccaaa	caaactcgga	gg	472

<210> 174

<211> 472

<212> DNA

<213> *Tragopan temminckii*

<400> 174

tcccatgagg	acaaatatca	ttttgagggg	ctaccgtcat	cacaaattta	ttctcagcaa	60
tcccatacat	tggccaaacc	ctagtagaat	gagcttgagg	gggcttttca	gttgacaatc	120
caacccttac	cagattcttt	gccctacact	tcctcctccc	atttgtaatc	gcaggaatta	180
ccatcatcca	cctcatcttc	ctacatgaat	caggctcaaa	caaccctcta	ggcatctcat	240
ctaactctga	caaaatccca	ttccaccogt	actactccct	caaagatatc	ctaggcctaa	300
cactcatact	cactcctctc	ctcacactag	ccttattttc	accaaacctc	ctaggtgatc	360
cagaaaactt	caccccagca	aaccactag	taactcctcc	ccatatcaaa	ccagaatgat	420
attttctggt	cgttatgcc	atcctgcgct	caattccaaa	caaactcgga	gg	472

<210> 175

<211> 472

<212> DNA

<213> *Argusianus argus*

<400> 175

tcccatgagg	acaaatatca	ttttgaggag	ctaccgtcat	cacaaaccta	ttctcagcaa	60
tcccttatat	tggacaaacc	ctagtagagt	gagcctgagg	aggattttca	gtcgacaacc	120
ccacccttac	ccgattcttt	gctctacatt	tcctcctacc	cttcgtaate	gcaggaatca	180
ccatcatcca	cctcacattc	ctacacgaat	caggctcaaa	caaccacta	ggcatctcat	240
ctaactctga	caaaatccca	ttccacccat	actactccct	caaagacatc	ctaggcctaa	300
cactcatact	cgtccatttc	cttacactaa	ccctattcta	cccaaaccta	ctagggtgacc	360
cagaaaactt	caccccagca	aaccatttag	taactccacc	ccacatcaag	ccagaatgat	420
acttcctatt	cgcctatgcc	atcctacgct	caatcccaaa	caaactagga	gg	472

<210> 176

<211> 472

<212> DNA

<213> *Catreus wallichi*

<400> 176

ttccatgggg	acaaatatca	ttttgagggg	ctactgtcat	cacaaatcta	ttctcagcaa	60
tcccttacat	cggacagacc	ctagtagaat	gagcctgagg	aggattctca	gttgacaatc	120
caactctcac	ccgattcttc	gccctgcact	tcctccttcc	cttcgtaatt	gcaggaatca	180
ccatcaccca	tctcatattc	ctacatgaat	caggctcaaa	taaccctcta	ggcatctcat	240
ctaactccga	caaaatccca	ttccacccat	actactccct	caaagatata	ctaggcctag	300
cacttatatt	caccccattc	ctaacactag	ccctattctc	accaaattct	ctgggcgacc	360
cagaaaactt	caccccagca	aatccatttag	taaccctacc	acacattaaa	ccagaatggt	420
acttcctatt	tgcctacgct	atcctacgct	caatcccaaa	taaactcgga	gg	472

<210> 177

<211> 472

<212> DNA

<213> *Crossoptilon crossoptilon*

<400> 177

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caaccctcac	ccgattcttc	gccctacact	tcctcctccc	cttcgtaatt	gcaggaatta	180
ctgtcaccca	cctcatattc	ctacacgaat	caggctcaaa	caaccacta	ggcatctcat	240
ctaattccga	caaaatccca	ttccacccct	actactccct	caaagacatc	ctaggcctag	300
cacttatact	caccccattc	ctaacactag	ccctattctc	acctaacctt	ctgggcgacc	360
cagagaactt	caccccagca	aaccacttag	taaccccccc	tcacattaaa	ccagaatgat	420
acttcctatt	tgcctatgct	atcctgcgct	caatcccaaa	taaactcgga	gg	472

<210> 178

<211> 472

<212> DNA

<213> *Syrmaticus reevesi*

<400> 178

tcccatgagg	acaaatatca	ttttgagggg	caaccgtcat	cacaaattta	ttctcagcaa	60
ttccctacat	cggacaaacc	ctagtagagt	gggcctgagg	aggattctca	gttgacaacc	120
caaccctcac	cggattcttc	gcccttcact	ttctcctacc	cttcgtaatc	acaggaatca	180
ccatcacaca	tcttatgttc	ctacacgaat	caggctcaaa	caaccacta	ggcatttcac	240
ctaactctga	caaaatcccc	tttcacccat	actactctct	caaagatata	ctaggcctag	300
cacttatact	caccccatto	ctcacactag	ccctattctc	acctaacctg	ctaggcgacc	360
cagaaaactt	caccccagca	aaccactag	taaccctcc	tcacattaaa	ccagaatgat	420
acttcctatt	tgcctacgcc	atcctacgct	caatcccaaa	caaactgggg	gg	472

<210> 179

<211> 472

<212> DNA

<213> *Bambusicola thoracica*

<400> 179

tcccatgggg	ccaaatatcc	ttttgagggg	ctaccgtcat	cacaaattta	ttctcagcaa	60
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caactctcac	cggattcttc	gccttacact	tctactccc	cttcgtaatc	gcaggaatta	180
ccattatcca	cctcacatto	ttacacgaat	caggatcaaa	caaccacctc	ggcatctcat	240
ctaactccga	caaaatccca	ttccacccat	actactcctt	taaagacatt	ctcggcctag	300
cccttatatt	catcccatto	ctgacactag	ccctattctc	ccctaacctc	ctaggagacc	360
cagaaaactt	caccccagca	aaccactag	taaccctcc	acacatcaaa	ccagagtggg	420
acttcctatt	cgcgtatgct	atcgtacgat	caatcccaaa	caaactcgga	gg	472

<210> 180

<211> 472

<212> DNA

<213> *Francolinus francolinus*

<400> 180

tcccatgagg	ccaaatatca	ttctgagggg	ctaccgtcat	tacgaacctc	ttctcagcaa	60
ttccctacat	tggacaaacc	ttagtagagt	gagcctgagg	gggattctca	gtagataacc	120
caaccctcac	cggattcttc	gccttacact	tccttctccc	cttcgtaatt	gcaggaatca	180
ctatcatcca	cctcacattt	ctgcacgaat	caggctcaaa	caaccacctc	ggcatctcat	240
ctgactctga	caaaatccca	ttccacccat	actacacctc	caaagacatc	ctaggcctaa	300
cccttatatt	catccctctc	cttacactag	ccctattctc	ccccaacctc	ctaggcgacc	360
ccgaaaactt	caccccagca	aaccactag	taactcctcc	ccacatcaaa	ccagaatgat	420
acttcctatt	tgcctacgcc	atcctacgct	caatcccaaa	caaactcgga	gg	472

<210> 181

<211> 472

<212> DNA

<213> *Ithaginis cruentus*

<400> 181

taccatgagg	acaaatatca	ttctgaggag	ccactgtaat	cacaaaccta	ctctcagcaa	60
ttccctacat	cggccaaact	ctggtagaat	gagcttgagg	aggattttca	gtagacaacc	120
caaccctcac	cggattcttc	gccctacact	ttctcctccc	cttcgcaatc	gcaggaatta	180
ctgtcatcca	ccttacactc	ctccacgaat	caggttcaaa	taacccta	ggcatctcat	240
ctaactctga	caaaatccca	tttcacccat	actactccct	caaagacatc	ctaggcctag	300
cacttatact	catccccctt	cttacactag	tcctattttc	ccccaacctc	ctaggagatc	360
cagaaaactt	tagtccagca	aacccccctag	taacccccacc	ccatattaaa	ccagaatgat	420
acttcctatt	tgcctacgct	attctacgct	caatccccaa	taaacttgga	gg	472

<210> 182

<211> 472

<212> DNA

<213> *Anthropoides paradisea*

<400> 182

taccatgagg	acaaatgtca	ttttgagggg	ctacagtcat	caccaatctc	ttctcagccg	60
tcccatatat	cggccaaacc	cttgtagaat	gagcttgagg	gggtttctca	gtagacaatc	120
ccacattaac	tcgattcttc	actttacact	tcctccttcc	attcataatt	atgggcctca	180
ccctaatacca	cctcaccttc	cttcacgagt	ccggctcaaa	caaccccccta	ggcattgtat	240
caaactgcga	taaaatccca	ttccacccct	atttttcctt	aaaagatatc	ctaggattca	300
tactcatact	actcccactc	ataaccctag	ctctattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccccctag	tcacacctcc	ccatatcaaa	ccagaatgat	420
atttcttatt	tgcgtatgcc	atcctacggt	caattccaaa	caaactagga	gg	472

<210> 183

<211> 472

<212> DNA

<213> *Anthropoides virgo*

<400> 183

taccatgggg	acaaatgtca	ttttgagggg	ctacagttat	caccaatctc	ttctcagccg	60
tcccatatat	cggccaaacc	cttgtagaat	gagcttgagg	gggtttttca	gtagataatc	120
ccacattaac	tcgattcttc	acgttacact	tcctccttcc	attcataatt	atgggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	ccggctcaaa	caaccccccta	ggcatcgtat	240
caaactgcga	taaaatccca	ttccacccct	atttttcctt	aaaagatatc	ctaggattca	300
tactcatact	actcccactc	ataaccctag	ctctattctc	accaaactta	ctaggagacc	360
cagaaaactt	ccccccagca	aatccccctag	tcacacctcc	ctatattaaa	ccagaatgat	420

attttcttatt tgcatacgcc atcctacggt caattccaaa caaactagga gg

472

<210> 184

<211> 472

<212> DNA

<213> Grus antigone antigone

<400> 184

taccatgagg	acaaatatca	ttttgagggg	ctacagtcac	caccaatctc	ttctcagccg	60
tcccctacat	cggccaaacc	cttgtagaat	gagcttgagg	gggcttctca	gtagacaatc	120
ccacattaac	tcgattcttc	actttacact	tcctccttcc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggctcaaa	caaccccccta	ggcatcgtat	240
caaaactgcga	taaaatccca	ttccaccctt	acttttcctt	aaaagatatc	ctaggattca	300
cactcatact	acttccactc	ataaccctag	ccctattctc	accaaacccta	ctaggagacc	360
cagaaaactt	caccccagca	aacccccctag	tcacacctcc	tcatatcaag	ccagaatgat	420
acttttttatt	tgcatacgcc	atcctacggt	caatcccaaaa	caaactagga	gg	472

<210> 185

<211> 472

<212> DNA

<213> Grus antigone gillae

<400> 185

taccatgagg	acaaatatca	ttttgagggg	ctacagtcac	caccaatctc	ttctcagccg	60
tcccctacat	cggccaaacc	cttgtagaat	gagcttgagg	gggcttctca	gtagacaatc	120
ccacattaac	tcgattcttc	actttacact	tcctccttcc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggctcaaa	caaccccccta	ggcatcgtat	240
caaaactgcga	taaaatccca	ttccaccctt	acttttcctt	aaaagatatc	ctaggattca	300
cactcatact	acttccactc	ataaccctag	ccctattctc	accaaacccta	ctaggagacc	360
cagaaaactt	caccccagca	aacccccctag	tcacacctcc	tcatatcaag	ccagaatgat	420
acttttttatt	tgcatacgcc	atcctacggt	caatcccaaaa	caaactagga	gg	472

<210> 186

<211> 472

<212> DNA

<213> Grus antigone sharpei

<400> 186

taccatgagg	acaaatatca	ttttgagggg	ctacagtcac	caccaatctc	ttctcagccg	60
tcccctacgg	cggccaaacc	cttgtagaat	gagcttgagg	gggcttctca	gtagacaatc	120

ccacattaac	tcgattcttc	actttacact	tcctccttcc	cttcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	ccggttcaaa	caacccctca	ggcatcgat	240
caaactgcga	taaaatccca	ttccacccct	acttttcttc	aaaagatatc	ctaggattca	300
cactcatact	acttccactc	ataaccctag	ccctattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctag	tcacacctcc	ccatatcaag	ccagaatgat	420
actttttatt	tgcatacgcc	atcctacgtt	caatcccaaa	caaactagga	gg	472

<210> 187

<211> 472

<212> DNA

<213> *Grus leucogeranus*

<400> 187

taccatgagg	acaaatatca	ttttgagggg	ctacagtcac	caccaatctc	ttctcagccg	60
tcccctacac	cggccaaacc	cttgtagaat	gagcttgagg	gggcttctca	gtagacaacc	120
ccacattaac	tcgattcttc	actttacact	tcctccttcc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	ccggttcaaa	caacccctca	ggcatcgat	240
caaactgcga	taaaatccca	ttccacccct	acttttcttc	aaaagatatc	ctagggttca	300
tactcatact	acttccactc	ataaccctag	ccctattctc	accaaactta	ctaggagacc	360
cagaaaactt	cactccagca	aacccctag	taacaccccc	acatatataa	ccagaatgat	420
atttcctatt	tgcatacgcc	atccgacgtt	caatcccaaa	caaactagga	gg	472

<210> 188

<211> 472

<212> DNA

<213> *Grus canadensis pratensis*

<400> 188

tgccatgagg	acaaatatca	ttctgagggg	ctacagtcac	taccaacctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gggcttgagg	gggcttctca	gtagacaatc	120
ccacattaac	tcgattcttc	actttacact	tcctcctccc	attcataatt	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	ccggttcaaa	caacccctca	ggcattgtat	240
caaactgcga	taaaatccca	ttccacccct	atttttcttc	aaaagatatc	ctagggttca	300
tactcatact	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	gacccctag	tcacacctcc	ccatatcaaa	ccagaatgat	420
actttttatt	tgcctacgcc	atcttacgct	caatcccaaa	caaactagga	gg	472

<210> 189

<211> 472

<212> DNA

<213> *Grus canadensis rowani*

<400> 189

tgccatgagg	acaaatatca	ttctgagggg	ctacagtcac	taccaacctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gggcttgagg	gggcttctca	gtagacaatc	120
ccacattaac	cgcattcttc	actttacact	tcctcctccc	attcataatt	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	ccggctcaaa	caatccccta	ggcattgtat	240
caaactgcga	taaaatccca	ttccacccct	atttttcctt	aaaagatatc	ctagggttca	300
tactcatact	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctag	tcacacctcc	ccatatcaaa	ccagaatgat	420
actttttatt	tgccctacgcc	atcttacgct	caatcccaaa	caaactagga	gg	472

<210> 190

<211> 472

<212> DNA

<213> *Grus canadensis tabida*

<400> 190

taccatgagg	acaaatatca	ttctgagggg	ctacagtcac	taccaacctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gggcttgagg	gggcttctca	gtagacaatc	120
ccacattaac	cgcattcttc	actttacact	tcctcctccc	attcataatt	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	ccggctcaaa	caatccccta	ggcattgtat	240
caaactgcga	taaaatccca	ttccacccct	atttttcctt	aaaagatatc	ctagggttca	300
tactcatact	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctag	tcacacctcc	ccatatcaaa	ccagaatgat	420
actttttatt	tgccctactcc	atcttacgct	caatcccaaa	caaactagga	gg	472

<210> 191

<211> 472

<212> DNA

<213> *Grus canadensis canadensis*

<400> 191

taccatgggg	acaaatatca	ttctgagggg	ctacagtcac	taccaacctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gggcttgagg	gggcttctca	gtagacaatc	120
ccacattaac	cgcattcttc	actttacact	tcctcctccc	attcataatt	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	ccggctcaaa	caatccccta	ggcattgtat	240
caaactgcga	taaaatccca	ttccacccct	atttttcctt	aaaagatatc	ctagggttca	300
tactcatact	acttccactt	ataaccctag	ctctattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctag	tcacacctcc	ccatatcaaa	ccagaatgat	420
actttttatt	tgccctacgcc	atcttacgct	caatcccaaa	caaactagga	gg	472

<210> 192



<211> 472

<212> DNA

<213> Grus americana

<400> 192

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tcccatacat	cggccaaacc	atcgtagaat	gagcttgagg	gggcttctct	gtagacaacc	120
ccacattaac	cggattcttc	actttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	ctccacgaat	cgggtcaaaa	caaccccta	ggcatcgat	240
caaactgcga	taaaatccca	ttccaccctt	atttttcctt	aaaagacatc	ctaggattca	300
cactcatatt	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctag	tgacacctcc	ccatattaag	cgggaatgat	420
actttttatt	tgcatacgcc	atcctacgtt	caatcccaaa	caaactagga	gg	472

<210> 193

<211> 472

<212> DNA

<213> Grus grus

<400> 193

taccatgggg	acaaatgtca	ttttgagggg	ctacagttat	caccaatctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gagcttgagg	gggcttctca	gtagacaacc	120
ccacattaac	cggattcttc	accttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	cttcacgaat	cgggtcaaaa	caaccccta	ggcatcgat	240
caaactgcga	taaaatccca	ttccaccctt	atttttcctt	aaaagatatc	ctagggttca	300
tactcatatt	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctag	tcacacctcc	ccatattaag	cgggaatgat	420
actttttatt	tgcatacgcc	atcctcctgt	caatcccaaa	caaactagga	gg	472

<210> 194

<211> 472

<212> DNA

<213> Grus monacha

<400> 194

taccatgagg	acaaatatca	ttttgagggg	ctacagttat	caccaacctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gagcttgagg	aggcttctca	gtagacaacc	120
ccacattaac	tcgattcttc	accttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	ctccacgaat	cgggtcaaaa	caaccccta	ggcatcgat	240
caaactgcga	taaaattcca	ttccaccctt	atttttcctt	aaaagatatc	ctaggattca	300
tattcatatt	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctag	tcacacctcc	tcataattaa	cgggaatgat	420

acttttctatt tgcatacgcc gtcctacggt caatcccaaa caaactagga gg

472

<210> 195

<211> 472

<212> DNA

<213> *Grus nigricollis*

<400> 195

taccatgagg	acaaatatca	ttttgagggg	ctacagttat	caccaacctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gagcttgagg	aggcttctca	gtagacaacc	120
ccacattaac	tcgattcttc	accttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaatacca	cctcaccttc	ctccacgaat	cgggtcctca	caacccctca	ggcatcgat	240
caaactgcga	taaaattcca	ttccacccct	atthtttctt	aaaagatacc	ctaggattca	300
tattcatatt	acttccactc	ataaccctag	ctctattttc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctag	tcacacctcc	ccatattaag	cgggaatgat	420
acttttctatt	tgcatacgct	atcctacggt	caatcccaaa	caaactagga	gg	472

<210> 196

<211> 472

<212> DNA

<213> *Grus japonensis*

<400> 196

taccatgggg	acaaatatcc	ttttgagggg	ctacagttat	caccaatctc	ttctcagccg	60
tcccatacat	cggccaaacc	ctcgtagaat	gagcttgagg	gggcttctca	gtagacaacc	120
ccacattaac	tcgattcttt	accttacact	tcctcctccc	attcataatc	ataggcctca	180
ccctaatacca	tctcactttc	ctccacgaat	cgggtcctca	caacccctca	ggcatcgat	240
caaactgtga	taaaatccca	ttccacccct	atthtttctt	aaaagataat	ttaggattta	300
cactcatatt	acttccactc	ataaccctag	ccctattctc	accaaactta	ctaggagacc	360
cagaaaactt	caccccagca	aacccctag	ttacacctcc	ccatattaag	cgggaatgat	420
acttcttatt	tgcatacgct	attctgcggt	caatcccaaa	caaactagga	gg	472

<210> 197

<211> 472

<212> DNA

<213> *Ciconia boyciana*

<400> 197

tgccatgagg	acagatatca	ttctgagggg	ctacagtcac	caccaaccta	ttttcagcta	60
tcccctacat	cggccaaacc	ctcgtagaat	gggcctgagg	gggcttctcc	gtcgataacc	120

caacactaac	ccgattcttc	gccctacact	ttcttctccc	cttcgcaatc	gcaggcctca	180
ccctaatacca	cctcaccttc	cttcacgagt	ccggctcaaa	caacccccta	ggcatcatct	240
caaactgcga	caaaattcca	ttccacccct	acttctccct	caaagatatc	ctaggcctta	300
cactcctact	tctgccacta	accaccctgg	ccctattctc	acccaaccta	ctaggtgacc	360
cagagaactt	caccccagcc	aaccccctag	tcacaccccc	tcacatcaag	ccagagtggg	420
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<210> 198

<211> 472

<212> DNA

<213> Rhea americana

<400> 198

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ctaccctaac	ccgattcttc	gccctgcact	tccttctccc	cttcctaate	gcaggcatta	180
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ctcactctga	caaaatccca	ttccacccct	acttctccct	aaaagatgcc	ctaggactag	300
ctctcatatt	tatcccgcgc	ctaaccctag	ccttcttctc	acccaacctc	ctaggggacc	360
cagaaaactt	caccccagcc	aaccccctag	ttacaccccc	tcacatcaag	ccagaatgat	420
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<210> 199

<211> 472

<212> DNA

<213> Anthracoceros albirostris

<400> 199

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tcccatacat	cggccaaacc	ttagtagaat	gggcctgagg	gggattctcc	gttgacaacc	120
caaccctgac	acgattcttc	gccctacact	ttctcctccc	gttcataatc	gcaggcctag	180
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ccaactgcga	caaaatccca	ttccacccat	actttgccct	aaaggacatc	ctaggattca	300
cagtaatact	cctcctccta	acctccctag	ccctcttctc	ccccaaccta	ctaggagacc	360
cagaaaactt	cacaccagca	aaccccctgg	taactcccc	ccatattaag	ccagaatggg	420
atttcctatt	cgcatatgcc	atcctacgct	caatccccaa	taaactagga	gg	472

<210> 200

<211> 472

<212> DNA

<213> Falco femoralis

<400> 200

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caacactgac	ccgattcttc	gccctacact	tcctcctacc	attcctaata	gcagggtca	180
ccttaatcca	cctcaccttc	ctacatgaat	cagggttcaaa	caaccccccta	ggaatcacat	240
caaactgcga	taaaatccca	ttccatccct	attactctct	caaagacctc	ctaggattca	300
tactcatata	cctcccccta	ataaccttag	ccctattcac	tcccaaccta	ctaggagacc	360
cagaaaactt	tacaccagca	aatccccctag	tcaccccccc	acacatcaaa	ccagaatgat	420
acttcctatt	cgcttacgcc	atcctacgct	caatccccaa	caaactaggt	gg	472

<210> 201

<211> 472

<212> DNA

<213> *Falco verpertinus*

<400> 201

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caacactaac	ccgattcttc	gccctacact	ttctcctacc	attcctaata	gcagggtca	180
ccctaattca	cctcaccttc	ctacacgaat	cagggttcaaa	caaccccccta	ggaatcacat	240
caaactgcga	caaaatccca	ttccatccct	actactctct	aaaagacctt	ttaggagtca	300
tactcatata	cctcccccta	ataacccctag	ccctattttac	cccaaactta	ctaggagacc	360
cagaaaactt	cacaccagca	aacccccctag	tcacaccccc	acacatcaaa	ccagaatgat	420
acttcctatt	tgcttacgcc	atcctacgct	caatccccaa	caaactgggt	gg	472

<210> 202

<211> 472

<212> DNA

<213> *Falco peregrinus*

<400> 202

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caacactgac	ccgattcttc	gccctacact	tcctacttcc	attcctaata	gcaggactca	180
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caaattgcga	caaaatccca	ttccacccat	actactctct	caaagatatc	ctaggattta	300
tactcatata	cctgcccccta	ataacccctag	ccctattttac	cccaaacctg	ctaggagacc	360
cagaaaactt	tacaccagca	aatccccctag	tcaccccccc	acacatcaaa	ccagaatgat	420
acttcctatt	tgcttacgcc	atcctacgct	caatccccaa	taaactgggc	gg	472

<210> 203

<211> 472

<212> DNA

<213> *Falco sparverius*

<400> 203

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caacactaac	ccgcttcttc	gccttacact	tcctcctacc	attcctaata	gcagggctta	180
ccttaatcca	cctcaccttc	ctacatgaat	caggttccaa	caaccccccta	ggagtcacat	240
caaactgtga	caaaatccca	ttccacccct	actactctct	caaagacctc	ctagggtttta	300
tgctcatact	cctgccccta	atagccctag	ccctattcac	cccaaacctg	ctaggagacc	360
cagaaaactt	cacaccagcg	aacccccctag	tcaccccacc	acacatcaaa	ccagaatgat	420
acttcctatt	tgccctacgct	attctacgct	caattcccaa	caaattaggc	gg	472

<210> 204

<211> 472

<212> DNA

<213> *Aythya americana*

<400> 204

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caaccctaac	tcgattcttc	gccatccact	tcctactacc	cttcctaata	gcaggaatca	180
ccctagtcca	cctaactttc	ctgcacgagt	caggctcaaa	caaccccccta	ggcattgtat	240
cagactgcga	caaaatccca	tttcacccct	acttctcctt	caaagacatc	ctaggattta	300
tcctcatgct	caccccccta	atagcactag	ccctattctc	accaaacctc	ctaggagacc	360
cagaaaactt	taccccagca	aacccactag	taaccccacc	ccacatcaaa	ccagaatgat	420
acttcctatt	cgcctacgcc	atcctgcgat	caatcccga	taaactagga	gg	472

<210> 205

<211> 472

<212> DNA

<213> *Smithornis sharpei*

<400> 205

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ccacccttac	ccgattcttc	tccttccact	tcctcctccc	atttatcatc	gcaagcctga	180
cactcatcca	tctcaccttc	ctccatgaaa	caggttcaaa	caaccctcta	ggtatctcat	240
ctaactccga	taaaatccca	ttccacccat	acttctccat	aaaagacatt	ctaggctttg	300
caatcatact	aacaccacta	ataaccctag	ccatattctc	tcctaacctc	ctaggagacc	360
cagaaaattt	cacaccgcgc	aactccctcg	tcactcccc	tcatatcaaa	cccgaatgat	420
atTTTTTatt	tgcatacgct	attctgcgat	caattccaaa	caaactagga	gg	472

<210> 206

<211> 472

<212> DNA

<213> *Vidua chalybeata*

<400> 206

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caacactcac	cggattcttc	gccctacact	tccttctacc	cttcgtcatt	gcaggactca	180
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cagactgtga	caaaattcca	ttccacccat	actacaccac	aaaggacatc	ctaggcttcg	300
tactaatatt	cgcactccta	gcttccatag	ccctattctc	cccaaacata	ctaggagatc	360
cagaaaactt	cactccggcc	aaccccctaa	tcacaccacc	acatatcaaa	cccgaatgat	420
atttcttatt	cgcctacgcc	atcctacgat	ccatcccaaa	caaactagga	gg	472

<210> 207

<211> 472

<212> DNA

<213> *Chrysemys picta*

<400> 207

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caaccttaac	cggatttttt	acccttcaact	tccttctacc	atttacaatc	ataggtctaa	180
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ttctaatact	aacctctcta	ctaaccctaa	cactattctc	tccaaacctt	ttagggggacc	360
cagataactt	cacaccggcc	aaccccctat	ctaccccacc	acatattaaa	ccagaatgat	420
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<210> 208

<211> 472

<212> DNA

<213> *Emys orbicularis*

<400> 208

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caaccctaac	cggattcttc	actttccatt	tcttactgcc	atttaccatt	ataggcctaa	180
caatagtaca	cctactcttc	ctacacgaaa	cgggatcaaa	caatccaaca	ggattaaact	240

caaacaccga	taaaatccct	ttccatccct	acttctcata	caaagaccta	ttaggactca	300
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cagataactt	tacaccagct	aaccgcgtat	ccacccccacc	acatattaag	ccagagtgat	420
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<210> 209

<211> 472

<212> DNA

<213> *Chelonia mydas*

<400> 209

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caaccctaac	ccgattcttc	accttcact	tcctattacc	atttgccatt	accggcctta	180
cagcagtaca	tctattattc	ctgcacgaaa	caggatcaaa	caacccaaca	ggattaaatt	240
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ttttaatact	aactttcttc	ctaaccctaa	cacttttctc	cccctactta	ctaggagacc	360
cagacaactt	cacaccagcc	aaccctctat	ccactcctcc	ccacatcaaa	ccagaatgat	420
acttcctatt	tgcctacgca	atcctacgat	caatccccaa	caaactaggc	gg	472

<210> 210

<211> 472

<212> DNA

<213> *Eumeces egregius*

<400> 210

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ttccatacat	tggcaccaac	ctagtagaat	gaatttgagg	gggcttttcc	gtagacaacg	120
caaccctcac	ccgatttttc	acattccact	tccttctgcc	attcgctatt	ataggggcct	180
caataattca	cctactatct	cttcacgaaa	caggatcaaa	taacccaacc	ggactaaatt	240
ctagcacaga	taaggtgcca	ttccacccat	attacacata	caaagacctt	cttggtttca	300
tcattatact	gtctgtttct	ctagccctcg	cccttttctc	accaaaccct	ctaggcgacc	360
cagaaaattt	taccccagca	aacccctggg	taacaccccc	acatattaag	ccagagtgat	420
acttcttatt	tgcctacgcc	atcctacgct	ctattccaaa	caaactaggc	gg	472

<210> 211

<211> 472

<212> DNA

<213> *Antelope cervicapra*

<400> 211

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caacccttac	cggatttttc	gccttccact	ttatcctccc	atttatcatt	gcagccctta	180
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cagacgcaga	caaaattcca	ttccacccct	actacactat	caaagatata	ctaggagctc	300
tactattaat	tttaaccctc	atgcttctag	tcctattctc	accggacctg	cttgagacc	360
cagacaacta	tacaccagca	aacccactta	atacaccccc	acatatcaag	cccgaatgat	420
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<210> 212

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer for amplifying a fragment of cytochrome b gene of animal species in polymerase chain reaction

<400> 212

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<210> 213

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Universal primer for amplifying a fragment of cytochrome b gene of animal species in polymerase chain reaction

<400> 213

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<210> 214

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Primer for amplifying a fragment of cytochrome b  
gene of animal species in polymerase chain reaction

<400> 214

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22

<210> 215

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer for amplifying a fragment of cytochrome b  
gene of animal species in polymerase chain reaction

<400> 215

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22

<210> 216

<211> 472

<212> DNA

<213> Aepyceros melampus

<220>

<400> 216

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caaccctnac	ccgatttttc	gcyttccact	tcatcyttcc	attcatcatt	gcggcactag	180
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tattaataat	tctagtccca	atactcctag	tactattcat	acccgaccta	ctaggagacc	360
cagacaanna	catccccgca	aaccactca	acaccctcc	ccacatcaag	cccgaatggt	420
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<210> 217

<211> 472

<212> DNA

<213> Oreotragus oreotragus

<400> 217

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caacccttac	cggattcttt	gcctttcact	tcattcttcc	atttatcatc	gcagccctag	180
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cagacacaga	caaaatccca	tttcatcctt	attacacaat	caaagatatc	ctaggcgccc	300
tattactaat	tctagcttta	ttactcttag	tattattcac	acctgacctc	cttggagacc	360
cagataacta	caccccagca	aacccactca	acactcccc	tcacattaaa	ccagaatggt	420
atttcttatt	ngcatatgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 218

<211> 472

<212> DNA

<213> Addax nasomaculatus

<400> 218

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caacccttac	cggatttttc	gccttccact	ttattctccc	ctttattatc	gctgcccttg	180
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tactactaat	tctagtcttc	atactactag	tattattcac	acccgacctc	cttggagacc	360
cagacaatta	taccccagca	aatccactta	gcacgcccc	tcacatcaaa	cctgaatgat	420
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<210> 219

<211> 472

<212> DNA

<213> Oryx damah

<400> 219

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caaccctcac	cggatttttc	gccttccact	ttattctccc	ttttattatc	gctgcccttg	180
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tactactaat	cctagccctt	atgttgctag	tattattcgc	acccgacctc	cttggagacc	360
cagataatta	tacaccagca	aatccactta	acacaccccc	tcacatcaaa	cccgaatgat	420
atttcctatt	tgcatacgcg	atcttacgat	caatccccaa	caaactagga	gg	472

<210> 220

<211> 472

<212> DNA

<213> Hippotragus equinus

<400> 220

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caaccctcac	cagattcttc	gccttccact	ttattcttcc	ctttatcacc	actgcccttg	180
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tactactaat	tctagccctc	atactactag	tactattcgc	acccgacctc	ctgggagacc	360
cagacaacta	tgccccagca	aacccactca	acacggcccc	tcacattaaa	cccgaatgat	420
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<210> 221

<211> 472

<212> DNA

<213> Alcelaphus buselaphus

<400> 221

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caacccttac	cagatttttt	gccttccact	tcattcttcc	attcatcatt	gcagcccttg	180
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tattactaat	cctagccctc	atactactag	tactattcgc	acccgacctg	ctcggagacc	360
cagacaacta	cacccccgcg	aacccactta	acacaccccc	tcacatcaag	cccgaatgat	420
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<210> 222

<211> 472

<212> DNA

<213> Sigmoceros lichtensteinii

<400> 222

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caacccttac	cagatttttt	gccttccact	tcattctccc	attcatcatt	gcagcccttg	180
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cagacaacta	cacccccg	cg aacccactta	acacaccccc	tcacatcaag	cccgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccctaa	caaactagga	gg	472

<210> 223

<211> 472

<212> DNA

<213> *Beatragus hunteri*

<400> 223

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caaccctcac	cggatttttc	gctttccact	ttattctccc	atttatcatt	acagcccttg	180
ccatagtcca	cctcttattt	ctccacgaaa	caggatctaa	caacccca	ggaatctcgt	240
cagatgcaga	taaaattcca	ttccacccct	actacaccat	caaagacatc	ctagggcgccc	300
tactactaat	tctagccctc	atattactag	tactatttgc	acccgacctg	ctcggagacc	360
cagacaacta	cacccccgca	aacccactta	atacaccccc	tcacatcaaa	cccgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccccaa	taaactagga	gg	472

<210> 224

<211> 472

<212> DNA

<213> *Damaliscus lunatus*

<400> 224

tgccatgagg	acaaatatca	ttctgaggag	caacagtc	cat cactaacctc	ctctcagcaa	60
ttccatacat	cggcacaaat	ctagtccaat	ggatctgagg	gggcttctca	gtagacaaag	120
ccaccctcac	cggattcttt	gccttccact	tcattctccc	atttatcatt	gtagctcttg	180
ccatagtcca	cctcttattc	ctccatgaaa	caggatctaa	caacccca	ggaatctcat	240
cagatgcgga	caaaatcccc	tttcacccct	actacactat	caaagacgcc	ctagggggccc	300
tactactaat	tctagccctc	atactactag	tactatttgc	acccgacctg	ctcggagacc	360
cagacaacta	cacccctgca	aacccactca	acacgcccc	tcacatcaag	cccgaatgat	420
atttcctatt	cgcatacgca	atcctacggt	cgatccccaa	cgagctagga	gg	472

<210> 225

<211> 472

<212> DNA

<213> *Connochaetes taurinus*

<400> 225

taccatgagg	acaaatatcc	ttttgaggag	caacagtc	catcaccaac	ctctcagcaa	60
tcccatacat	tggcactaac	ctagtcgaat	gaatctgagg	gggattctca	gtagacaaag	120
caacccttac	ccgatttttc	gccttccact	tcattcctcc	atttatcatc	acagcccttg	180
ctatagtcca	tctcctattc	ctccacgaaa	caggatctaa	caatcccaca	ggaatttcct	240
ccgacaccga	taaaatccca	ttccccccct	attacaccat	caaagacatc	ctaggcgctc	300
tattactaat	tctagcccta	atactactag	tactattcgc	gcccgattta	cttgagagacc	360
cagacaacta	cacccccgca	aatccactca	acacaccccc	tcacatcaag	cccgaatgat	420
acttcctatt	tgcatatgca	atcctacgat	caatccccaa	cggactagga	gg	472

<210> 226

<211> 472

<212> DNA

<213> Bison bonasus

<400> 226

taccatgagg	acaaatatca	ttttgaggag	caacagtc	catcaccaac	ctatcagcaa	60
tcccatacat	cggcacaaa	ctagtcgaat	gaatctgagg	cggattctca	gtagacaaag	120
caacccttac	ccgatttttc	gccttccact	ttatcctccc	atttattatc	atagcaattg	180
ccatagtcca	cctactattc	ctccacgaaa	caggttctaa	caatccaaca	ggaatttcct	240
cagacacaga	caaaattcca	ttccaccctt	actataccat	taaagacatc	ctaggagcct	300
tattactaat	tctaactcta	atactactag	tactattcgc	accggacctc	ctcggagacc	360
cagataacta	caccccagca	aatccactta	acacacctcc	ccacatcaaa	cccgaatgat	420
acttcttatt	tgcatangca	atcttacggt	caatccccaa	caaactagga	gg	472

<210> 227

<211> 472

<212> DNA

<213> Bos grunniens

<400> 227

taccatgagg	acaaatatca	ttttgagggg	caacagtc	catcaccaac	ctatcagcaa	60
ttccatacat	cggcacaaa	ttagtcgaat	ggatttgagg	tgggttctca	gtagacaaag	120
caaccctcac	ccgattcttc	gccttccact	ttatcctccc	atttattatt	acagcaattg	180
ccatagtcca	cctactattc	ctccacgaaa	caggctccaa	caatccaaca	ggaatctcct	240
cagacgcaga	caaaattcca	tttcaccctt	actataccat	taaagacatc	ttaggagcct	300
tattactaat	tctagcccta	atacttcttg	tactattcac	acccgacctc	ctcggagacc	360
cagacaacta	caccccagca	aatccactca	acacacctcc	ccacatcaaa	cccgaatgat	420
acttcttatt	tgcatacgca	atcttacgat	caatccccaa	taaactagga	gg	472

<210> 228

<211> 472

<212> DNA

<213> Bos tragocamelus

<400> 228

tacccatgagg	acaaatatca	ttttgaggag	caacagttat	taccaatcta	ttatcagcaa	60
tcccatatcat	cggcacaac	ctagttgaat	gaatctgagg	cgggttctca	gtagacaaag	120
caaccctaac	ccgattcttc	gctttccact	ttatcctccc	attcatcatt	gcagccctcg	180
caataatcca	tctactcttc	ctccatgaaa	caggggtctaa	caatccaaca	ggaatttcat	240
cagacgcaga	taaaatccca	tttcacccct	actacactat	taaagacatt	ctaggagccc	300
tactactttat	tctagcccta	ataatactag	tactattcgc	acccgacctc	ctcggagacc	360
cagacaacta	caccccagca	aacccactta	gcacacctcc	ccatattaag	cccgaatggt	420
atttcctggt	cgcatacgca	attctacgat	caatccccaa	caaactagga	gg	472

<210> 229

<211> 472

<212> DNA

<213> Bubalus bubalis

<400> 229

tgccatgagg	acaaatatca	ttctgagggg	caacagtcatt	caccaacctt	ctctcagcaa	60
tcccatatcat	tggatcaagt	ctgggtgaat	gaatttgagg	gggattctca	gtagacaaag	120
caaccctcac	ccgattcttc	gcatttccact	tcctcctccc	attcattatc	gcaggacttg	180
caatagtcca	cctattatct	ctccacgaaa	caggatccaa	caacccaaca	ggaattctcat	240
cagacacaga	caaaatccca	ttccacccct	attacacatt	taaagacatc	ctaggcgccc	300
tactattaat	cctagcccta	atactattag	tactattcgc	acccgacctc	ctcggggacc	360
cagacaacta	caccccagca	aacccactca	acacacctcc	ccacatcaag	cctgaatggt	420
acttcctatt	cgcatacgca	atcttacgat	caattcctaa	caaactagga	gg	472

<210> 230

<211> 472

<212> DNA

<213> Bubalus mindorensis

<400> 230

tgccatgagg	acaaatatca	ttctgagggg	caacagtcatt	caccaacctt	ctctcagcaa	60
tcccatatcat	tggcacaac	ctagttgagt	gaatttgagg	gggattctca	gtagacaaag	120
caaccctcac	ccgattcttc	gcatttccact	tcctcctccc	attcattatc	gcagcacttg	180
caatagtcca	cctattatct	ctccacgaaa	caggatccaa	caacccaaca	ggaattctcat	240
cagacacaga	caaaatccca	ttccacccct	actacacatt	taaagacatt	ctaggcgccc	300
tgctattaat	cctagcccta	atactattag	tactattcac	acccgacctc	ctcggggacc	360
cagacaacta	caccccagca	aacccactca	acacacctcc	ccatatacaa	cctgaatggt	420
acttcctatt	cgcatacgca	atcttacgat	cagttcctaa	caaactagga	gg	472

<210> 231

<211> 472

<212> DNA

<213> *Tragelaphus angasii*

<400> 231

tgccatgagg	acaaatatca	ttctgaggag	caacggtcat	cacaaacctc	ctatcagcaa	60
tcccatatat	tggcaccaac	ctagttgaat	gaatctgagg	aggettctcg	gtagacaagg	120
caaccctaac	ccgatttttc	gccttccact	tcctcctccc	gtttattatt	acagcgctgg	180
ttatgggtcca	cctattattc	ctccatgaaa	caggatccaa	caacccaaca	ggaatctcat	240
cagacataga	caaaattcca	ttccaccctt	attacactat	caaggacatc	ctaggcgccc	300
tactattaat	cctagcccta	atagtactag	tactattcac	acctgacctc	ctcggagacc	360
ccgacaacta	caccccagcg	aacccctca	atacacctcc	ccatatcaaa	cctgaatgat	420
atctcctggt	cgcatatgca	atcctacgat	ctatccccaa	caagctagga	gg	472

<210> 232

<211> 472

<212> DNA

<213> *Tragelaphus eurycerus*

<400> 232

taccatgagg	acaaatatca	ttttgaggag	caacagtcac	cacaaacctt	ctatcagcaa	60
tcccttatat	tggcaccagc	ctagtcgaat	gaatctgagg	gggcttttca	gtagacaaag	120
caaccttaac	ccgattcttc	gccttccact	ttatccttcc	atttattatt	acagcactag	180
ccatgggtaca	cctactattc	ctccacgaaa	caggatccaa	caacccaaca	ggratctcat	240
craacataga	caaaattcca	tttcaccctt	actacactat	taaggacatc	ctaggtgccc	300
tactgctaata	cctaactcta	atactcctag	tactattcgc	acccgacctt	ctcggagacc	360
ccgacaacta	caccccagca	aacccactca	acacaccacc	tcatatcaaa	cctgaatgat	420
acttcctatt	cgcatatgca	atcctacgat	caatccctaa	taaactagga	gg	472

<210> 233

<211> 472

<212> DNA

<213> *Nemorhaedus caudatus*

<400> 233

taccatgagg	acagatatca	ttctgagggg	caacagttat	taccaatctt	ctctcagcaa	60
tcccatatat	tggcacaaac	ctagtcgaat	gaatctgagg	gggattctca	gtagacaaag	120
ctactctcac	ccgattcttc	gccttccact	tcctcctccc	atttatcatt	acagctactg	180
ctatagttcca	cctacttttc	ctccatgaga	taggatccaa	caaccccaca	ggtatcccat	240
cagacataga	caaaatccca	tttcaccctt	attatacaat	caaagatatt	ctaggcgcta	300

tactactaat	cctcaccctt	atcttactgg	tattattcac	acctgactta	cttggagatc	360
cagacaacta	taccccagca	aacccactca	gcacaccccc	tcacattaaa	cctgaatgat	420
atttcctatt	tgcatatgca	atcttacgat	caatccccaa	taaactaggc	gg	472

<210> 234

<211> 472

<212> DNA

<213> *Pseudois nayaur*

<400> 234

tgccatgagg	acaaatatca	ttttgagggg	caacagtcac	caccaacctt	ctctcagcaa	60
tcccctatat	tggcacaaat	ctagtogaat	ggatctgagg	gggattctca	gtagacaagg	120
ccactctcac	ccgattcttc	gccttcact	tcctcctccc	atttattatt	atagccctcg	180
ccatagtcca	cctacttttc	ctccacgaaa	caggatctaa	caaccccaca	ggaatcccat	240
cagacacaga	caaaatoccc	ttccaccctt	actacaccat	taaagatatt	ctaggcgctg	300
cactgcta	cctcgccctg	atattactag	tattatttac	acccgacctc	ctcgggagacc	360
cagacaacta	caccccagca	aacccactca	acacaccccc	tcacattaaa	cccgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caattcccaa	caagctagga	gg	472

<210> 235

<211> 472

<212> DNA

<213> *Ammotragus lervia*

<400> 235

tgccatgagg	acagatatca	ttctgagggg	caacagtcac	caccaacctt	ctctcagcaa	60
tcccatacat	tggcacagac	ctgggtogaat	gaatctgagg	gggattctca	gtagacaaag	120
ctactctcac	ccgattcttc	gccttcact	tcctcctccc	atttgtaatc	gcagccctag	180
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cagacgcaga	caaaatoccc	ttccaccctt	actacaccat	caaagatatt	ctaggcgcca	300
tgctactaat	cctcaccctc	acactactag	tactatttac	acccgatcta	ctcggggacc	360
cagacaacta	taccccagca	aatccactca	acacaccccc	tcattattaaa	cctgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caatccctaa	taaactggga	gg	472

<210> 236

<211> 472

<212> DNA

<213> *Capra falconeri*

<400> 236



taccatgagg	acaaatatca	ttctgagggg	caacagtcac	caccaatctc	ctctcagcaa	60
tcccatatat	tggcacaaac	ctagtctgaat	gaatctgagg	aggattctca	gtagataaag	120
ccaccctcac	ccgattcttc	gccttccact	ttatcctccc	attcatcatt	gcaggcctcg	180
ccatagtcca	cctactcttc	ctccacgaaa	caggatccaa	caatcccaca	ggaattccat	240
cagacacaga	caaaatccca	tttcaccctt	actacaccat	taaagatatc	ctaggcgcca	300
tactactaat	tctcgccctg	atgctactag	tactattcac	acctgacctc	ctcgggagacc	360
cagataacta	tatcccagca	aatccactca	atacaccccc	tcatatcaaa	cctgagtggt	420
acttcctatt	tgcatacgca	atcctacgat	caatccccaa	caaactagga	gg	472

<210> 237

<211> 472

<212> DNA

<213> Capra ibex

<400> 237

taccatgagg	acaaatatca	ttctgagggg	caacagtcac	cactaacctt	ctctcagcaa	60
tcccatatat	tggcacaaac	ctagtctgaat	gaatctgagg	gggattctca	gtagacaaag	120
ccactctcac	ccgattcttc	gccttccact	tcctcctccc	attcatcatt	acagccctcg	180
ccatagtcca	cctgctcttc	ctccacgaaa	cgggatccaa	caaccccaca	ggaattccat	240
cagacacaga	caaaatccca	ttccaccctt	actacaccat	taaagatatc	ttaggcgcca	300
tgctactaat	tcttgtccta	atattactag	tactattcac	acccgacctc	ctcggggacc	360
cagacaacta	taccccagca	aaccctactca	atacaccccc	tcacattaaa	cctgaatgat	420
atttcctatt	tgcatacgca	atcctacgat	caattccccaa	caaactaggg	gg	472

<210> 238

<211> 472

<212> DNA

<213> Hemitragus jemlahicus

<400> 238

taccatgagg	acagatatca	ttctgagggg	caacagtcac	caccaacctt	ctctcagcaa	60
ttccatatat	cggcacaaac	ctagtctgaat	gaatctgagg	aggattctca	gtagacaaag	120
ctaccctaac	ccgattcttc	gctttccact	tcattctccc	attcatcatt	gcagccctcg	180
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tactactaat	tcttgtccta	atattactag	tactatttat	acccgacctc	cttgggagacc	360
cagacaacta	taccccagca	aatccactca	acacaccccc	tcacattaaa	cctgaatgat	420
atthttctatt	tgcatacgcg	atcctacgat	caattccccaa	caaactagga	gg	472

<210> 239

<211> 472

<212> DNA

<213> Rupicapra pyrenaica

<400> 239

taccatgagg	acagatatca	ttctgaggag	caacagttat	taccaatctc	ctctcagcaa	60
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ctaccctcac	ccgattcttt	gcctttcact	tcctctccc	attcatcatt	gcagccttag	180
ccatagtcca	cctactcttc	ctccatgaaa	caggatcaaa	caaccccaca	ggaatcccat	240
cagatgcgga	traaatccca	tttcacccct	actataccat	taaagacatt	ctaggcgcca	300
tactactaat	cctcaccctt	atactactgg	tactatttac	acctgaccta	ctcggagacc	360
cagataacta	taccccagcg	aacccactca	acacaccccc	tcacatcaaa	cccgaatgat	420
atttcttggt	tgcatatgcy	atcctacgat	caattcccaa	caaacttgga	gg	472

<210> 240

<211> 472

<212> DNA

<213> Rupicapra rupicapra

<400> 240

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tcccgatat	tggcacagac	ttagtcgaat	gaatctgagg	aggcttctcg	gtagacaagg	120
ctaccctcac	ccgattcttt	gccttccact	tcctctccc	atttatcatt	gcagccttag	180
ccctagtcca	cctactcttc	ctccacgaaa	caggatctaa	caaccccaca	ggaatcccat	240
cagatgcgga	caaaatccca	tttnacccct	attataccat	caaagacatt	ctgggcgcca	300
tactactaat	cctcaccctc	atactactag	tactattnac	acctgaccta	ctcggagacc	360
cagataatta	caccccagcg	aacccactca	acacaccccc	tcacattaaa	cccgagtgat	420
atttcttatt	tgcatatgca	attctacgat	caatccccaa	caaacttgga	gg	472

<210> 241

<211> 472

<212> DNA

<213> Pantholops hodgsoni

<400> 241

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tcccatacat	tggcacagac	ctagtccaat	gaatctgagg	gggattctca	gtagacaaag	120
ctacccttac	ccgattcttt	gccttccatt	tcattctccc	attcatcatc	gcagccctcg	180
ccatagtcca	cctactcttc	ctccacgaaa	caggatccaa	caaccccaca	ggaattccat	240
cagatgcaga	caaaatccca	tttcacccct	actataccat	taaagacatc	ctaggcgcta	300
tactactaat	cctaactctc	atattactag	tactattttc	acctgaccta	ctcggagacc	360
cagacaatta	taccccagca	aacccccctca	acacaccacc	ccacattaaa	cctgaatggt	420
actttctatt	tgcatacgca	atcctacgat	caatccccaa	caaactagga	gg	472

<210> 242

<211> 472

<212> DNA

<213> Budorcas taxicolor taxicolor

<400> 242

taccatgagg	acaaatatca	ttttgaggag	caacagtcac	taccaacctc	ctctcagcaa	60
tcccatacat	tggcacaaac	ctagttgagt	gaatctgagg	aggattctca	gtagacaaag	120
catccctcac	cggattcttt	gcctttcact	tcacccctcc	atttatcatc	gcagacctcg	180
ccatagtcca	tttacttttc	ctccacgaaa	caggatccaa	caacccacac	ggaattccgt	240
cagatgcaga	taaaattcca	tttcaccctt	attacaccat	taaagatatc	ctaggagtca	300
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cagataatta	taccccagca	aatccactca	acacaccccc	tcacatcaaa	cctgaatgat	420
atttcctatt	tgcatacgca	atcttacgat	caatccccaa	caaactagga	gg	472

<210> 243

<211> 472

<212> DNA

<213> Ovis ammon

<400> 243

taccatgagg	acaaatatca	ttctgaggag	caacagttat	taccaacctc	ctttcagcaa	60
ttccatata	tggcacaaac	ctagtcgaat	gaatctgagg	gggattctca	gtagacaaag	120
ccaccctgac	cggattcttc	gcctttcact	ttattttccc	attcatcatc	gcagccctcg	180
ccatagtcca	cctactcttc	ctccacgaaa	caggatccaa	caacccacac	ggaatcccat	240
cggacacaga	taaaattccc	ttccaccctt	actacaccat	taaagacatc	ctaggtgcca	300
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cagacaacta	caccccagca	aacccactta	acactcccc	tcacatcaaa	cctgaatgat	420
atttcctatt	tgcatacgca	atcttacgat	caatccctaa	taaactagga	gg	472

<210> 244

<211> 472

<212> DNA

<213> Ovis vignei

<220>

<221> n

<222> 264-278

<223> unknown base

<400> 244

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ctaccctcac	ccgatttttc	gcctttcact	ttattttccc	attcatcatc	gcagccctcg	180
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cggacacaga	caaaatcccc	ttcnnnnnnn	nnnnnnnnat	taaagacatt	ctgggtgcc	300
tcctactaat	cctcactctc	atgctgctag	tactattcac	gcctgactta	cttgagagacc	360
cagacaacta	caccccagca	aacccactta	acactcccc	tcacatcaaa	cctgaatgat	420
atttcctatt	tgcatacgca	atcttacgat	caatccctaa	taaactagga	gg	472

<210> 245

<211> 472

<212> DNA

<213> *Capcornis crispus*

<400> 245

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ttccatatat	tggcacaaac	ttagtagaat	gaatctgagg	aggattctcc	gtagacaaag	120
ccaccctcac	ccgattcttt	gccttcatt	tcattctccc	attcatcatc	acagccctcg	180
ccatagtcca	cctacttttc	ctccacgaaa	caggatccaa	caaccccaca	ggaatctcat	240
cagacacaga	caaaatcccc	ttccaccctc	actacacaat	caaagatata	ctaggcatcg	300
tgctactaat	cctcaccctc	atactactag	tactgttcac	acccgacctc	ctcggagacc	360
cagacaacta	cactccagca	aacccactca	acacaccccc	tcacatcaag	cccagatgat	420
acttcctatt	tgcatacgca	atcctacgat	caatccccaa	caaactaggc	gg	472

<210> 246

<211> 472

<212> DNA

<213> *Ovibos moschatus*

<400> 246

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ttccatatat	cggcacaaac	ctagtcgaat	gaatctgagg	aggattctcc	gtagacaaag	120
ccaccctcac	ccgatttttt	gcttttcact	ttatcctccc	atttatcatc	gtagecctcg	180
ctatagtaca	tttgctcttc	ctccacgaaa	caggatccaa	caaccccaca	ggaattccat	240
cagacacgga	caaaatcccc	ttccaccctc	actatacaat	caaagacatt	ctaggcgcca	300
tactactaat	ccttaccctt	atactactag	tattattcac	acccgacctc	cttgagagacc	360
cagacaacta	taccccagca	aacccactca	acacaccccc	tcacattaaa	ccagagtgat	420
acttcctatt	tgcatacgca	atcctacgat	caattcctaa	caaactaggc	gg	472

<210> 247

<211> 472

<212> DNA

<213> *Oreamnos americanus*

<400> 247

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cggacacaga	taaaattccc	ttccaccctt	actacacat	taaagacacc	ctaggtgcca	300
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<210> 248

<211> 472

<212> DNA

<213> *Cephalophus dorsalis*

<400> 248

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cagataacta	caccccagca	aaccacttca	acacacctcc	ccatattaaa	cccgaatgat	420
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<210> 249

<211> 472

<212> DNA

<213> *Cephalophus maxwellii*

<400> 249

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<210> 250

<211> 472

<212> DNA

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<400> 250

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<210> 251

<211> 472

<212> DNA

<213> Hydropotes inermis

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<211> 472

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<210> 253

<211> 472

<212> DNA

<213> *Cervus elaphus kansuensis*

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<210> 254

<211> 472

<212> DNA

<213> *Cervus elaphus xanthopygus*

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<210> 255

<211> 472

<212> DNA

<213> *Cervus elaphus canadensis*

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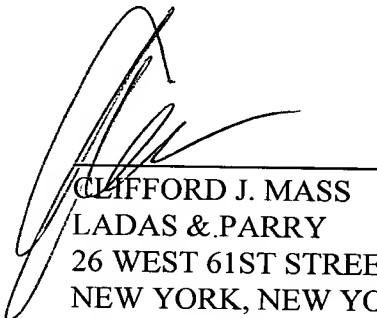
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REMARKS

The above amendatory action is taken to correct the errors in the Sequence Listing noted in the Official Communication of May 21, 2002. In addition to a paper copy of the Sequence Listing, a computer readable copy of the Sequence Listing and the requisite statements are submitted herewith.

Respectfully submitted,



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